華豐科技

Smart Welding • Higher Productivity

Complete Welding, Laser & Automation Solutions

Precision Creates Quality



✓ Digital Control
✓ Consistent Quality
✓ Smart Integration

Peak Performance

Unique Dual-Voltage Design



✓ Multi-Function Laser
✓ High Efficiency
✓ Superior Quality

Engineering the Future



✓ Automation Integration
✓ Quality Consistency
✓ Smart Manufacturing

40+ Years of Welding Technology Why HERO POWER

TAIWAN R&D
R&D & Manufacturing

TOTAL SOLUTIONS
Welding • Laser • Automation

GLOBAL SALES & SERVICE
Global Market Reach

OEM / ODM
Customized Solutions

HERO POWER | ARCO | HPT HeroPowerTech | HERO POWER | 好漢 | 倍利源 Braver Power

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Website | Catalog | LINE | Videos

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About HEROPOWER

Accumulated with abundant experience of R&D and manufacturing in Inverter Arc Weld & Cut equipment since 1986, Hero Power Technology Corp. (Taiwan) cooperated with Power Arc LLC (U.S.A) and established the second production base, Power Arc Tech. Co., Ltd (Shanghai) in 2001. HERO POWER persists in executing the quality system strictly to ensure producing excellence. All of HERO machines have been certificated by CCC (China Compulsory Certification) auditing.Depending on our high-level quality characteristics and prompt, effective service system, HREO POWER production has marketed in Taiwan, Singapore, Malaysia, Indonesia,Thailand, Vietnam, Australia, Mainland China and other countries.

We have been persisting in the point, 'Striving for Perfection', as the guide line of our actions, manufacturing is strictly in accordance with the international standards [ISO] and the state standards [GB], so as to acquire and ensure every product is in high quality.

HERO POWER

DC TIG
INVERTER WELDING

F- 20P

Application

Industrial Applications、Process pipe
Food/beverage industry、Shipboard
Maintenance repair
Restaurant/kitchen repair



Features

Lightweight and portability for outside job
Inverter technology for energy-efficient
Thermal Overload Protection
Provide fast uninterrupted spot welding
Easy to set up and operate
Pulse Function included
Support welding cleaning brush
4-segment arc control (S-hard/hard/soft/S-soft)
Provide lift arc start

Specification

Input Power	V	110 V ,1Φ	Pre flow time	Sec	0.1
		220 V ,1Φ	Post flow time	Sec	2~10
Input voltage range	%	±15%	Pulse current	A	-
Input frequency	HZ	50 & 60	Pulse frequency	HZ	High: 10
Rated input capacity	KVA	7.5			-
	KW	5			Low: 1
Rated output	V	TIG: 18	Pulse Ratio Width	%	50
		STICK: 25.2	Duty cycle	-	200A / 60%
	A	TIG: 200			155A / 100%
		STICK: 130	Water cooler control	-	-
Welding amperage range	A	TIG: 5~200	Clean	A	5~10
		STICK: 5~130	Gas check	-	-
Efficiency	%	72	Crater control	-	Crater / Repeat
Open-circuit voltage	V	100	Insulation class	-	H
Up slope	Sec	-	Protection class	-	IP21S
Down slope	Sec	-	Dimension (W*D*H)	mm	211*400*240
Spot time	Sec	-	Net Weight	kg	16

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HERO POWER

DC TIG
INVERTER WELDING

DT- 200

Application

Industrial Applications、Aerospace
Pressure vessel、Pipe & tube fabrication
Food process、Vacuum equipment



Features

Lightweight and portability for outside job
Inverter technology for energy-efficient
Thermal Overload Protection
MMA function included
Easy to set up and operate
Two-stage pulse and back blow adjustment function
4-segment arc control(S-hard/hard/soft/S-soft)

Specification

Input Power	V	110 V ,1Φ	Pre flow time	Sec	0.03, 0.04, 0.07
		220 V ,1Φ	Post flow time	Sec	1.5, 3
Input voltage range	%	±15%	Pulse current	A	-
Input frequency	HZ	50 & 60	Pulse frequency	HZ	High: 10
Rated input capacity	KVA	6.33			-
	KW	5			Low: 1
Rated output	V	TIG: 18	Pulse Ratio Width	%	50
		STICK: 25.6	Duty cycle	-	200A / 20%
	A	TIG: 200			90A / 100%
		STICK: 130	Water cooler control	-	-
Welding amperage range	A	TIG: 5~200	Clean	-	-
		STICK: 5~130	Gas check	-	-
Efficiency	%	72	Crater control	-	-
Open-circuit voltage	V	100±5	Insulation class	-	H
Up slope	Sec	-	Protection class	-	IP21S
Down slope	Sec	-	Dimension (W*D*H)	mm	195*450*280
Spot time	Sec	-	Net Weight	kg	11.8

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HERO POWER

DC TIG
INVERTER WELDING

DT- 200P

"Dual Display
110VAC/220VAC"

Application

Industrial Equipment Manufacturing
Stainless Steel Processing
Sheet Metal Fabrication, Pipeline Manufacturing
Shipbuilding and Repair Industry



Features

Dual voltage input design (110/220V), equipped with dual meters for simultaneous display of voltage and current, meeting various regional safety requirements.

Inverter technology ensures high efficiency and energy savings, with built-in overheat, overload, and VRD protection mechanisms to enhance operational safety and reduce accident risks.

Supports MMA welding, low pulse, and adjustable post-flow functions, providing flexibility for diverse welding applications.

Specification

Input Power	V	110 V ,1Φ	Pre flow time	Sec	0.03, 0.04, 0.07
		220 V ,1Φ	Post flow time	Sec	2, 4
Input voltage range	%	±15%	Pulse current	A	-
Input frequency	HZ	50 & 60	Pulse frequency	HZ	-
Rated input capacity	KVA	7.84			-
	KW	4.9			Low: 1
Rated output	V	TIG: 18	Pulse Ratio Width	%	50
		STICK: 24.8	Duty cycle	-	200A / 20%
	A	TIG: 200			90A / 100%
		STICK: 120	Water cooler control	-	-
Welding amperage range	A	TIG: 5~200	Clean	-	-
		STICK: 5~120	Gas check	-	-
Efficiency	%	72	Crater control	-	Crater
Open-circuit voltage	V	105±5	Insulation class	-	H
Up slope	Sec	-	Protection class	-	IP21S
Down slope	Sec	-	Dimension (W*D*H)	mm	195*450*280
Spot time	Sec	-	Net Weight	kg	12.2

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HERO POWER

DC TIG
INVERTER WELDING

DT- 201P

"Plug-and-play
110VAC/220VAC"

Application

Industrial Equipment Manufacturing
Stainless Steel Processing
Sheet Metal Fabrication, Pipeline Manufacturing
Shipbuilding and Repair Industry



Features

Dual voltage input (110/220V) for easy portability and on-site operation.

Inverter technology ensures high efficiency and energy savings, with built-in overheat, overload, and VRD protection mechanisms to enhance safety and reduce operational risks.

Supports MMA welding with high/low pulse switching, and features adjustable post-flow time and crater current control. Switchable latch and repeat welding modes provide the flexibility to meet a wide range of industrial welding applications.

Specification

Input Power	V	110 V ,1Φ	Pre flow time	Sec	0.03, 0.04, 0.07
		220 V ,1Φ	Post flow time	Sec	2~10
Input voltage range	%	±15%	Pulse current	A	-
Input frequency	HZ	50 & 60	Pulse frequency	HZ	High: 10
Rated input capacity	KVA	7.84			-
	KW	4.9			Low: 1
Rated output	V	TIG: 18	Pulse Ratio Width	%	50
		STICK: 24.8	Duty cycle	-	200A / 20%
	A	TIG: 200			90A / 100%
		STICK: 120	Water cooler control	-	-
Welding amperage range	A	TIG: 5~200	Clean	-	-
		STICK: 5~120	Gas check	-	-
Efficiency	%	72	Crater control	-	Crater / Repeat
Open-circuit voltage	V	105±5	Insulation class	-	H
Up slope	Sec	-	Protection class	-	IP21S
Down slope	Sec	-	Dimension (W*D*H)	mm	195*450*280
Spot time	Sec	-	Net Weight	kg	12.2

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HERO POWER

DC TIG
INVERTER WELDING

DT- 250P

"Dual Display
110VAC/220VAC"



Application

Industrial Applications、Aerospace
Pressure vessel、Pipe & tube fabrication
Food process、Vacuum equipment

Features

Dual voltage input design (110/220V), equipped with dual meters for simultaneous display of voltage and current, meeting various regional safety requirements.

Inverter technology ensures high efficiency and energy savings, with built-in overheat, overload, and VRD protection mechanisms to enhance operational safety and reduce accident risks.

Supports MMA welding, low pulse, and adjustable post-flow functions, providing flexibility for diverse welding applications.

Specification

Input Power	V	110V,1Φ	Pre flow time	Sec	0.03, 0.04, 0.07
		220V,1Φ	Post flow time	Sec	2, 4
Input voltage range	%	±15%	Pulse current	A	-
Input frequency	HZ	50 & 60	Pulse frequency	HZ	-
Rated input capacity	KVA	11.73			-
	KW	6.93			Low: 1
Rated output	V	TIG: 20	Pulse Ratio Width	%	50
		STICK: 26	Duty cycle	-	250A / 20%
	A	TIG: 250			112A / 100%
		STICK: 150	Water cooler control	-	-
Welding amperage range	A	TIG: 5~250	Clean	-	-
		STICK: 5~150	Gas check	-	-
Efficiency	%	72	Crater control	-	Crater
Open-circuit voltage	V	105±5	Insulation class	-	H
Up slope	Sec	-	Protection class	-	IP21S
Down slope	Sec	-	Dimension (W*D*H)	mm	195*450*280
Spot time	Sec	-	Net Weight	kg	12.2

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HERO POWER

DC TIG
INVERTER WELDING

DT- 251P

"Plug-and-play
110VAC/220VAC"



Application

Industrial Equipment Manufacturing
Stainless Steel Processing
Sheet Metal Fabrication, Pipeline Manufacturing
Shipbuilding and Repair Industry

Features

Dual voltage input (110/220V) for easy portability and on-site operation.

Inverter technology ensures high efficiency and energy savings, with built-in overheat, overload, and VRD protection mechanisms to enhance safety and reduce operational risks.

Supports MMA welding with high/low pulse switching, and features adjustable post-flow time and crater current control. Switchable latch and repeat welding modes provide the flexibility to meet a wide range of industrial welding applications.

Specification

Input Power	V	110V,1Φ	Pre flow time	Sec	0.03, 0.04, 0.07
		220V,1Φ	Post flow time	Sec	2~10
Input voltage range	%	±15%	Pulse current	A	-
Input frequency	HZ	50 & 60	Pulse frequency	HZ	High: 10
Rated input capacity	KVA	11.73			-
	KW	6.93			Low: 1
Rated output	V	TIG: 20	Pulse Ratio Width	%	50
		STICK: 26	Duty cycle	-	250A / 20%
	A	TIG: 250			112A / 100%
		STICK: 150	Water cooler control	-	-
Welding amperage range	A	TIG: 5~250	Clean	-	-
		STICK: 5~150	Gas check	-	-
Efficiency	%	72	Crater control	-	Crater / Repeat
Open-circuit voltage	V	105±5	Insulation class	-	H
Up slope	Sec	-	Protection class	-	IP21S
Down slope	Sec	-	Dimension (W*D*H)	mm	195*450*280
Spot time	Sec	-	Net Weight	kg	12.2

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HERO POWER

DC TIG
INVERTER WELDING

DT- 252P

"Dual Meters
Industrial Grade
40% Duty Cycle"

Application

Industrial Equipment Manufacturing
Stainless Steel Processing
Sheet Metal Fabrication, Pipeline Manufacturing
Shipbuilding and Repair Industry



Features

- **220V Single-Phase | Dual Digital Displays**
  220V single-phase input with dual digital displays for real-time voltage and current monitoring.
- **Inverter Technology | Safe & Reliable**
  High-efficiency inverter design with VRD, over-temperature, and overload protection.
- **Multi-Mode Welding | Flexible Applications**
  Supports MMA, High/Low Pulse, adjustable crater current, post-flow control, and 2T/4T operation.

Specification

Input Power	V	220V	Pre flow time	Sec	0.03, 0.04, 0.07
		1 / 3Φ	Post flow time	Sec	2~10
Input voltage range	%	±15%	Pulse current	A	-
Input frequency	HZ	50 & 60	Pulse frequency	HZ	High: 10
Rated input capacity	KVA	8.62			-
	KW	6.29			Low: 1
Rated output	V	TIG: 20	Pulse Ratio Width	%	50
		STICK: 26	Duty cycle	-	250A / 40%
	A	TIG: 250			158A / 100%
		STICK: 150	Water cooler control	-	-
Welding amperage range	A	TIG: 5~250	Clean	-	-
		STICK: 5~150	Gas check	-	-
Efficiency	%	72	Crater control	-	Crater / Repeat
Open-circuit voltage	V	105±5	Insulation class	-	H
Up slope	Sec	-	Protection class	-	IP21S
Down slope	Sec	-	Dimension (W*D*H)	mm	205*455*295
Spot time	Sec	-	Net Weight	kg	16

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HERO POWER

DC TIG
INVERTER WELDING

DT- 300

"100 kHz precision pulse control
Simple control panel"

Application

Industrial Equipment Manufacturing
Bridge Construction & Infrastructure
Stainless Steel Fabrication、Aerospace Engineering
Automotive Manufacturing、Pipe & Pipeline Manufacturing



Features

1.100 kHz dual-parallel output ensures a focused, stable arc with fast spot welding and consistent penetration.
2.High-frequency energy-efficient control enables effective welding at lower currents.
3.Lightweight 300A design with a 60% duty cycle ensures reliable on-site operation.
4.Simple control panel with current preset and voltage/current pre-display complies with site safety inspections.
5.Built-in protection functions and 200 VAC input ensure stable operation under low-voltage conditions.
6.Optional PLC interface supports automation and system integration.

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380/415V,3Φ	Post flow time	Sec	2~20
Input voltage range	%	±15%	Pulse current	A	-
Input frequency	HZ	50&60	Pulse frequency	HZ	-
Rated input capacity	KVA	11.78			-
	KW	8.25			-
Rated output	V	TIG: 22	Pulse Ratio Width	%	-
		STICK: 26	Duty cycle	-	300A / 60%
	A	TIG: 300			232A / 100%
		STICK: 150	Water cooler control	-	✓
Welding amperage range	A	TIG: 5~300	Clean	-	-
		STICK: 5~150	Gas check	-	✓
Efficiency	%	80	Crater control	-	Crater / Repeat
Open-circuit voltage	V	110±10	Insulation class	-	H
Up slope	Sec	0.1	Protection class	-	IP21S
Down slope	Sec	0.1	Dimension (W*D*H)	mm	260*595*505
Spot time	Sec	-	Net Weight	kg	26.5

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HERO POWER

DC TIG
INVERTER WELDING

DT- 301

"100 kHz precision pulse control
Full-function control"

Application

Industrial Equipment Manufacturing
Bridge Construction & Infrastructure
Stainless Steel Fabrication、Aerospace Engineering
Automotive Manufacturing、Pipe & Pipeline Manufacturing



Features

1.100 kHz dual-parallel output ensures a focused, stable arc with fast spot welding and consistent penetration.
2.High-frequency energy-efficient control enables effective welding at lower currents.
3.Lightweight 300A design with a 60% duty cycle ensures reliable on-site operation.
4.Full-function control panel with current preset and voltage/current pre-display complies with site safety inspections.
5.Built-in special welding modes enable easy automatic crater filling.
6.Built-in protection functions and 200 VAC input ensure stable operation under low-voltage conditions.
7.Optional PLC interface supports automation and system integration.

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380/415V,3Φ	Post flow time	Sec	2~20
Input voltage range	%	±15%	Pulse current	A	5~300
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 1.3~500
Rated input capacity	KVA	11.78			Middle: 1.2~45
	KW	8.25			Low: 0.3~13
Rated output	V	TIG: 22	Pulse Ratio Width	%	1~99
		STICK: 26	Duty cycle	-	300A / 60%
	A	TIG: 300			232A / 100%
		STICK: 150	Water cooler control	-	✓
Welding amperage range	A	TIG: 5~300	Clean	-	-
		STICK: 5~150	Gas check	-	✓
Efficiency	%	80	Crater control	-	Crater / Repeat Spot / Special 2T
Open-circuit voltage	V	110±10	Insulation class	-	H
Up slope	Sec	0.1~10	Protection class	-	IP21S
Down slope	Sec	0.1~10	Dimension (W*D*H)	mm	260*595*505
Spot time	Sec	0.2~10	Net Weight	kg	27.5

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HERO POWER

DC TIG
INVERTER WELDING

DT- 360E

Application

Industrial Applications、Aerospace
Pressure vessel 、Pipe & tube fabrication
Food process 、Vacuum equipment



Features

IInverter technology for energy-efficient
Thermal Overload Protection
Multiple welding modes are available
Easy to set up and operate
Built-in multiple adjustable arcs
Supports contact arc initiation
PLC control connection support
0-10V analog interface available to control welding current

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2
		380/415 V ,3Φ	Post flow time	Sec	2~15
Input voltage range	%	±15%	Pulse current	A	-
Input frequency	HZ	50 & 60	Pulse frequency	HZ	-
Rated input capacity	KVA	15			-
	KW	11			-
Rated output	V	TIG: 24.4	Pulse Ratio Width	%	-
		STICK: 30	Duty cycle	-	360A / 60%
	A	TIG: 360			279A / 100%
		STICK: 250	Water cooler control	-	✓
Welding amperage range	A	TIG: 10~360	Clean	-	-
		STICK: 10~250	Gas check	-	✓
Efficiency	%	80	Crater control	-	Crater/off /Repeat
Open-circuit voltage	V	65±(10)	Insulation class	-	H
Up slope	Sec	0.1	Protection class	-	IP21S
Down slope	Sec	0.1	Dimension (W*D*H)	mm	306*607*490
Spot time	Sec	-	Net Weight	kg	38

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HERO POWER

DC TIG
INVERTER WELDING

DT- 400

Application

Industrial Applications、Aerospace
Pressure vessel 、Pipe & tube fabrication
Food process 、Vacuum equipment



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Pulse function flexible adjustable
4-segment arc control (S-hard/hard/soft/S-soft)
Multifunction include TIG pulse,crater,repeat ,Spot,MMA(STICK) etc.
Provide lift arc start
PLC control connection support
0-10V analog interface available to control welding current
3-stage switching pulse frequency
2T welding function for up/down slope

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380/415 V ,1/3Φ	Post flow time	Sec	2~20
Input voltage range	%	±15%	Pulse current	A	10~400
Input frequency	HZ	50 & 60	Pulse frequency	HZ	High: 1.3~500
Rated input capacity	KVA	18			Middle: 1.2~45
	KW	13.1			Low: 0.3~13
Rated output	V	TIG: 26	Pulse Ratio Width	%	1~99
		STICK: 30	Duty cycle	-	400A / 60%
	A	TIG: 400			300A / 100%
		STICK: 250	Water cooler control	-	✓
Welding amperage range	A	TIG: 10~400	Clean	-	-
		STICK: 10~250	Gas check	-	✓
Efficiency	%	79	Crater control	-	Crater / Repeat / Special 2T
Open-circuit voltage	V	75(±10)	Insulation class	-	H
Up slope	Sec	0.1~10	Protection class	-	IP21S
Down slope	Sec	0.1~10	Dimension (W*D*H)	mm	300*730*570
Spot time	Sec	0.2~10	Net Weight	kg	43.6

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HERO POWER

DC TIG
直流氬焊機

DT- 401

適用範圍

工業設備製造、鈑金加工業、管道製造業
不鏽鋼加工業、船舶修造業



功能特點

逆變設計高效節能 過溫過載保護機制
支援手工電焊，提供多種焊接模式，滿足不同作需求
即時顯示輸出電壓與電流數值，方便監控與調整
氣體前吹與後吹時間可依需求調整，有效提升焊接品質
支援水冷與氣冷模式，靈活應對不同工作環境
操作簡單容易上手

規格說明

額定電壓和相數	V	220 V ,1/3Φ	氣體預送時間	Sec	0.2~5
		380/415V,3Φ	延遲送氣時間	Sec	2~20
電壓變動範圍	%	±15%	脈波電流	A	-
額定頻率	HZ	50&60	脈波頻率	HZ	-
額定入力	KVA	15.2			-
	KW	10.4			-
額定出力	V	TIG: 26	脈波時間比率	%	-
		STICK: 30	使用率	-	400A / 60%
	A	TIG: 400			300A / 100%
		STICK: 250	水冷控制	-	✓
額定輸出電流範圍	A	TIG: 10~400	清潔弧	-	-
		STICK: 10~250	氣體點檢	-	✓
效率	%	80	焊接控制	-	Crater / Repeat
空載電壓	V	110	絕緣等級	-	H
電流緩升時間	Sec	0.1	防護等級	-	IP21S
電流緩降時間	Sec	0.1	外型尺寸(W*D*H)	mm	310*600*650
點焊時間	Sec	-	重量	kg	39.2

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HERO POWER

DC TIG
INVERTER WELDING

DT- 500

Application

Industrial Applications、Aerospace
Pressure vessel 、Pipe & tube fabrication
Food process 、Vacuum equipment



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Pulse function flexible adjustable
4-segment arc control (S-hard/hard/soft/S-soft)
Provide lift arc start
PLC control connection support
0-10V analog interface available to control welding current
3-stage switching pulse frequency
2T welding function for up/down slope
Multifunction include TIG pulse,crater,repeat ,Spot,MMA(STICK) etc.

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380/415 V ,3Φ	Post flow time	Sec	2~20
Input voltage range	%	±15%	Pulse current	A	10~500
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 1.3~500
Rated input capacity	KVA	23.9			Middle: 1.2~45
	KW	19.15			Low: 0.3~13
Rated output	V	TIG: 30	Pulse Ratio Width	%	1~99
		STICK: 36	Duty cycle	-	500A / 60%
	A	TIG: 500			387A / 100%
		STICK: 400	Water cooler control	-	✓
Welding amperage range	A	TIG: 10~500	Clean	-	-
		STICK: 10~400	Gas check	-	✓
Efficiency	%	79	Crater control	-	Crater / Repeat / Special 2T
Open-circuit voltage	V	75(±10)	Insulation class	-	H
Up slope	Sec	0.1~10	Protection class	-	IP21S
Down slope	Sec	0.1~10	Dimension (W*D*H)	mm	300*730*570
Spot time	Sec	0.2~10	Net Weight	kg	56.6

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HERO POWER

DC TIG
INVERTER WELDING

FT- 320

Application

Compatible with automated welding
Industrial equipment manufacturing
Sheet metal fabrication、Stainless steel processing
Pipeline manufacturing、Shipbuilding and repair



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Multiple welding modes available
Simple and easy to operate
Equipped with full pulse adjustment function
Built-in multiple adjustable arc characteristics
Supports contact arc ignition and remote welding current control

Specification

Input Power	V	-	Pre flow time	Sec	0.2~5
		380 V ,3Φ	Post flow time	Sec	2~15
Input voltage range	%	±15%	Pulse current	A	5~320
Input frequency	HZ	50 & 60	Pulse frequency	HZ	High: 14~500
Rated input capacity	KVA	12.5			-
	KW	10			Low: 0.4~14
Rated output	V	TIG: 22.8	Pulse Ratio Width	%	20~80
		STICK: 29.2	Duty cycle	-	320A / 50%
	A	TIG: 320			226A / 100%
		STICK: 230	Water cooler control	-	✓
Welding amperage range	A	TIG: 5~320	Clean	-	-
		STICK: 5~230	Gas check	-	✓
Efficiency	%	78	Crater control	-	Crater / Repeat
Open-circuit voltage	V	62	Insulation class	-	H
Up slope	Sec	0.1~5	Protection class	-	IP21S
Down slope	Sec	0.1~7	Dimension (W*D*H)	mm	270*580*480
Spot time	Sec	0.1~5	Net Weight	kg	32.6

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HERO POWER

DC TIG
INVERTER WELDING

FT- 402

Application

Industrial Applications、Aerospace
Pressure vessel 、Pipe & tube fabrication
Food process 、Vacuum equipment



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Easy to set up and operate
Pulse function flexible adjustable
4-segment arc control (S-hard/hard/soft/S-soft)
Provide lift arc start
Provide 10 pin receptacle for welding current remote control
Multifunction include TIG pulse,crater,repeat ,Spot,MMA(STICK) etc.

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380/415 V ,3Φ	Post flow time	Sec	2~15
Input voltage range	%	±15%	Pulse current	A	10~400
Input frequency	HZ	50 & 60	Pulse frequency	HZ	High: 14~500
Rated input capacity	KVA	13.3			-
	KW	12.3			Low: 0.4~14
Rated output	V	TIG: 26	Pulse Ratio Width	%	20~80
		STICK: 30	Duty cycle	-	400A / 80%
	A	TIG: 400			360A / 100%
		STICK: 250	Water cooler control	-	✓
Welding amperage range	A	TIG: 10~400	Clean	-	-
		STICK: 10~250	Gas check	-	✓
Efficiency	%	85	Crater control	-	Crater / Repeat
Open-circuit voltage	V	62	Insulation class	-	H
Up slope	Sec	0.1~5	Protection class	-	IP21S
Down slope	Sec	0.1~5	Dimension (W*D*H)	mm	410*510*620
Spot time	Sec	0.1~5	Net Weight	kg	54.6

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HERO POWER

DC TIG
INVERTER WELDING

FT- 500

Application

Industrial Applications、Aerospace
Pressure vessel 、Pipe & tube fabrication
Food process 、Vacuum equipment



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Easy to set up and operate
Pulse function flexible adjustable
4-segment arc control (S-hard/hard/soft/S-soft)
Provide lift arc start
Provide 10 pin receptacle for welding current remote control
Multifunction include TIG pulse,crater,repeat ,Spot,MMA(STICK) etc.

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380/415 V ,3Φ	Post flow time	Sec	2~25
Input voltage range	%	±15%	Pulse current	A	10~500
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 14~500
Rated input capacity	KVA	21			-
	KW	18.9			Low: 0.4~14
Rated output	V	TIG: 30	Pulse Ratio Width	%	20~80
		STICK: 36	Duty cycle	-	500A / 60%
	A	TIG: 500			420A / 100%
		STICK: 400	Water cooler control	-	✓
Welding amperage range	A	TIG: 10~500	Clean	-	-
		STICK: 10~400	Gas check	-	✓
Efficiency	%	85	Crater control	-	Crater / Repeat
Open-circuit voltage	V	72	Insulation class	-	H
Up slope	Sec	0.1~5	Protection class	-	IP21S
Down slope	Sec	0.1~5	Dimension (W*D*H)	mm	410*510*620
Spot time	Sec	0.1~5	Net Weight	kg	62.6

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HERO POWER

DC TIG
INVERTER WELDING

FT- 501

Application

Aerospace industry　Pipe & tube fabrication
Pressure vessel industry
Medical instruments manufacturing
Vacuum equipment manufacturing



Features

Inverter technology for energy-efficient

Thermal Overload Protection

With special welding function

PLC control connection support

0-10V analog interface available to control welding current

Specification

Input Power	V	380V, 3Φ	Open-circuit voltage	V	Narrow Arc 75V
Input voltage range	%	±15%			Broad Arc 150V
Input frequency	HZ	50&60	Duty cycle	-	500A/70%
Rated input capacity	KVA	19			418A/100%
	KW	17.7	Water cooler control	-	√
Rated output	V	30	Insulation class	-	H
	A	500	Protection class	-	IP21S
Welding amperage range	A	10~500A	Dimension (W*D*H)	mm	600*540*1120
Efficiency	%	85	Net Weight	kg	78.4

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HERO POWER

DC TIG
INVERTER WELDING

BET- 315

Application

Compatible with automated welding
Industrial equipment manufacturing
Stainless steel processing、Sheet metal fabrication
Pipeline manufacturing、Shipbuilding and repair



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Multiple welding modes available
Simple and easy to operate
Equipped with full pulse adjustment function
Built-in multiple adjustable arc characteristics
Supports contact arc ignition and remote welding current control

Specification

Input Power	V	-	Pre flow time	Sec	0.2~5
		380 V ,3Φ	Post flow time	Sec	4~15
Input voltage range	%	±15%	Pulse current	A	5~315
Input frequency	HZ	50 & 60	Pulse frequency	HZ	High: 14~500
Rated input capacity	KVA	12.5			-
	KW	10			Low: 0.7~27
Rated output	V	TIG: 22.6	Pulse Ratio Width	%	6~75
		STICK: 30	Duty cycle	-	315A / 60%
	A	TIG: 315			232A / 100%
		STICK: 250	Water cooler control	-	✓
Welding amperage range	A	TIG: 5~315	Clean	-	-
		STICK: 5~250	Gas check	-	✓
Efficiency	%	80	Crater control	-	Crater / Repeat
Open-circuit voltage	V	65	Insulation class	-	H
Up slope	Sec	0.1~5	Protection class	-	IP21S
Down slope	Sec	0.1~7	Dimension (W*D*H)	mm	304*630*540
Spot time	Sec	0.1~5	Net Weight	kg	31

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HERO POWER

DEEP TIG

INVERTER WELDING

DC-1300

Application

Aerospace industry　Pipe & tube fabrication
Pressure vessel industry
Medical instruments manufacturing
Vacuum equipment manufacturing



Features

Inverter technology for energy-efficient

Thermal Overload Protection

With special welding function

PLC control connection support

0-10V analog interface available to control welding current

Specification

Input Power	V	380/415V, 3Φ	Efficiency	%	95
Input voltage range	%	±15%	Open-circuit voltage	V	90
Input frequency	HZ	50&60	Duty cycle	-	1300A / 50%
Rated input capacity	KVA	70.7			1000A / 100%
	KW	60.2	Welding Electrode	mm	-
Rated output	V	44	Insulation class	-	H
	A	1300	Protection class	-	IP21S
Welding amperage range	A	10~60V 100~1300A	Dimension (W*D*H)	mm	595*1050*820
			Net Weight	kg	160

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HERO POWER

AUTOMATION EQUIPMENT

Digital Automation Controller

Application

Heavy & Precision fabrication、Heavy fabrication
Pipe and tube fabrication、Aviation industry、electronics industry
Automotive industry

Features

RS485-Modbus Communications

Multi-set analog controlled pulse parameters

TIG connection to automation equipment

Spot welding function to cold welding effect level

Control parameter dataization



Specifications

Name	Digital Automation Controller
Model	Cold Welding Control
Voltage	AC 100~220V - 50/60HZ
Power	15W
Frequency	1~20HZ
Applicable	All argon welders
Operation Mode	Argon Welding - Spot Welding - Continuous Spot Welding
Time Mode	ON Time：1~1000ms OFF Time：1~1000ms
Frequency mode	Pulse frequency：1~20 Hz
	Pulse duty cycle：5~95%
Dimensions (W*D*H)	215*60*115mm
Weight	430g



●**PC BASE**
RS485-Modbus Communications
Windows operating software



●**ALL Brand welding machine**
cold welding
continuous spot welding

●**HERO AT / DT Series**
cold welding
continuous spot welding
analog controlled pulse parameters

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HERO POWER

AC/DC TIG
INVERTER WELDING

AT- 301

Application

Industrial equipment manufacturing
Aluminum processing、Sheet metal fabrication
Pipe & tube fabrication、Shipbuilding industryt



Features

Portable type for on-site use
Inverter technology for energy-efficient
Easy to set up and operate
Built-in adjustable arc properties
AC frequency adjustment for precision control penetration
PLC control connection support
0-10V analog interface available to control welding current
3-stage switching pulse frequency
2T welding function for up/down slope

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380 V ,3Φ	Post flow time	Sec	2.0~20(±25%)
Input voltage range	%	±15%	Pulse current	A	10~300
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 1.3~500
Rated input capacity	KVA	12.7			Middle: 1.2~45
	KW	8.9			Low: 0.3~13
Rated output	V	TIG: 22	Pulse Ratio Width	%	1~99
		STICK: 30	Duty cycle	-	300A / 40%
	A	TIG: 300			190A / 100%
		STICK: 250	Water cooler control	-	✓
Welding amperage range	A	TIG: 10~300	AC Balance	%	20~50
		STICK: 10~250	Gas check	-	✓
Efficiency	%	74	Crater control	-	Crater / Repeat/Spot /Special 2T
Open-circuit voltage	Vdc	DC:70 / AC:-65	Insulation class	-	H
Up slope	Sec	0.1(±20%)~10(±20%)	Protection class	-	IP21S
Down slope	Sec	0.1(±20%)~10(±20%)	Dimension (W*D*H)	mm	305*635*565
Spot time	Sec	0.2~10	Net Weight	kg	49

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HERO POWER

AC/DC TIG
INVERTER WELDING

AT- 350

Application

Heavy & Precision fabrication
Heavy fabrication、Pipe and tube fabrication
Aerospace、Marine Fabrication & Repair
Aluminum fabrication



Features

IPortable type for on-site use,.Easy to set up and operate
Inverter technology for energy-efficient
Thermal Overload Protection
4-segment arc control(S-hard/hard/soft/S-soft)
Pulse sequence flexible adjustable
Pulse Function included
PLC control connection support
0-10V analog interface available to control welding current
3-stage switching pulse frequency
2T welding function for up/down slope

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380/415 V ,3Φ	Post flow time	Sec	2.0~20(±25%)
Input voltage range	%	±15%	Pulse current	A	10~350
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 1.3~500
Rated input capacity	KVA	13.9			Middle: 1.2~45
	KW	9.98			Low: 0.3~13
Rated output	V	TIG: 24	Pulse Ratio Width	%	1~99
		STICK: 30	Duty cycle	-	350A / 50%
	A	TIG: 350			250A / 100%
		STICK: 250	Water cooler control	-	✓
Welding amperage range	A	TIG: 10~350	AC Balance	%	20~50
		STICK: 10~250	Gas check	-	✓
Efficiency	%	84	Crater control	-	Crater/ Repeat/ Special 2T
Open-circuit voltage	Vdc	70DC / -65AC	Insulation class	-	H
Up slope	Sec	0.1(±20%)~10(±20%)	Protection class	-	IP21S
Down slope	Sec	0.1(±20%)~10(±20%)	Dimension (W*D*H)	mm	300*730*570
Spot time	Sec	0.2~10	Net Weight	kg	56.6

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HERO POWER

AC/DC TIG
INVERTER WELDING

AT- 350R

Application

Heavy & Precision fabrication
Heavy fabrication、Pipe and tube fabrication
Aerospace、Marine Fabrication & Repair
Aluminum fabrication



Features

Portable type for on-site use & Easy to set up and operate
Inverter technology & Smart fan controlfor energy-efficient
Thermal Overload Protection
4-segment arc control(S-hard/hard/soft/S-soft)
Cold welding
Full digital touch screen control
Pulse sequence flexible adjustable
Memorable program 0-99 groups
Provide 10 pin receptacle for welding current remote control
RS 485 and PLC control connection support

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.05~5
		380/415 V ,3Φ	Post flow time	Sec	0.1~20
Input voltage range	%	±20%	Pulse current	A	10~350
Input frequency	HZ	50&60	Pulse frequency	HZ	DC: 0.5~2K
Rated input capacity	KVA	12.5			AC: 0.1~100
	KW	11.5			-
Rated output	V	TIG: 24	Pulse Ratio Width	%	10~90
		STICK: 30	Duty cycle	-	350A / 50%
	A	TIG: 350			221A / 100%
		STICK: 300	Water cooler control	-	✓
Welding amperage range	A	TIG: 10~350	AC Balance	%	5~50
		STICK: 10~300	Gas check	-	✓
Efficiency	%	83	Crater control	-	Crater / Repeat
Open-circuit voltage	V	66DC / 160AC	Insulation class	-	H
Up slope	Sec	0~10	Protection class	-	IP21S
Down slope	Sec	0~10	Dimension (W*D*H)	mm	300*565*670
Spot time	Sec	0.01~5	Net Weight	kg	54

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HERO POWER

AC/DC TIG
INVERTER WELDING

AT- 400

Application

Industrial equipment manufacturing
Aluminum processing、Sheet metal fabrication
Pipe & tube fabrication、Shipbuilding industryt



Features

Portable type for on-site use
Inverter technology for energy-efficient
Easy to set up and operate
Built-in adjustable arc properties
AC frequency adjustment for precision control penetration
PLC control connection support
0-10V analog interface available to control welding current
3-stage switching pulse frequency
2T welding function for up/down slope

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380 V ,3Φ	Post flow time	Sec	2.0~20(±25%)
Input voltage range	%	±15%	Pulse current	A	10~400
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 1.3~500
Rated input capacity	KVA	18			Middle: 1.2~45
	KW	13.1			Low: 0.3~13
Rated output	V	TIG: 26	Pulse Ratio Width	%	1~99
		STICK: 30	Duty cycle	-	400A / 50%
	A	TIG: 400~405			283A / 100%
		STICK: 300	Water cooler control	-	✓
Welding amperage range	A	TIG: 10~405	AC Balance	%	20~50
		STICK: 10~300	Gas check	-	✓
Efficiency	%	80	Crater control	-	Crater / Repeat/Spot /Special 2T
Open-circuit voltage	V	70DC / -65AC	Insulation class	-	H
Up slope	Sec	0.1(±20%)~10(±20%)	Protection class	-	IP21S
Down slope	Sec	0.1(±20%)~10(±20%)	Dimension (W*D*H)	mm	300*730*570
Spot time	Sec	0.2~10	Net Weight	kg	56.6

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HERO POWER

AC/DC TIG
INVERTER WELDING

AT- 500

Application

Industrial equipment manufacturing
Aluminum processing、Sheet metal fabrication
Pipe & tube fabrication、Shipbuilding industryt



Features

Portable type for on-site use
Inverter technology for energy-efficient
Easy to set up and operate
Built-in adjustable arc properties
AC frequency adjustment for precision control penetration
PLC control connection support
0-10V analog interface available to control welding current
3-stage switching pulse frequency
2T welding function for up/down slope

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380 V ,3Φ	Post flow time	Sec	2.0~20(±25%)
Input voltage range	%	±15%	Pulse current	A	10~500
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 1.3~500
Rated input capacity	KVA	23.35			Middle: 1.2~45
	KW	17.54			Low: 0.3~13
Rated output	V	TIG: 30	Pulse Ratio Width	%	1~99
		STICK: 36	Duty cycle	-	500A / 60%
	A	TIG: 500~505			387A / 100%
		STICK: 400	Water cooler control	-	✓
Welding amperage range	A	TIG: 10~505	AC Balance	%	20~50
		STICK: 10~400	Gas check	-	✓
Efficiency	%	85	Crater control	-	Crater / Repeat/Spot /Special 2T
Open-circuit voltage	Vdc	70DC / -65AC	Insulation class	-	H
Up slope	Sec	0.1(±20%)~10(±20%)	Protection class	-	IP21S
Down slope	Sec	0.1(±20%)~10(±20%)	Dimension (W*D*H)	mm	300*735*670
Spot time	Sec	0.2~10	Net Weight	kg	74.6

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NO.8, WU-KUNG 5 RD., NEW TAIPEI INDUSTRIAL PARK TAIPEI 242 TAIWAN

HERO POWER

AC/DC TIG
INVERTER WELDING

AFT- 301

Application

Heavy & Precision fabrication
Heavy fabrication、Pipe and tube fabrication
Aerospace、Marine Fabrication & Repair
Aluminum fabrication



Features

Portable type for on-site use
Inverter technology for energy-efficient
Thermal Overload Protection
Easy to set up and operate
4-segment arc control(S-hard/hard/soft/S-soft)
Pulse sequence flexible adjustable
AC frequency adjustment for precision control penetration
Provide 10 pin receptacle for welding current remote control

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380/415 V ,3Φ	Post flow time	Sec	2~20
Input voltage range	%	±15%	Pulse current	A	10~300
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 7~500
Rated input capacity	KVA	9.4			-
	KW	8.7			Low: 0.4~27
Rated output	V	TIG: 22	Pulse Ratio Width	%	20~80
		STICK: 30	Duty cycle	-	300A / 40%
	A	TIG: 300			190A / 100%
		STICK: 250	Water cooler control	-	✓
Welding amperage range	A	TIG: 5~300	AC Balance	%	20~50
		STICK: 5~250	Gas check	-	✓
Efficiency	%	76	Crater control	-	Crater / Repeat
Open-circuit voltage	V	80DC / 150AC	Insulation class	-	H
Up slope	Sec	0.1~5	Protection class	-	IP21S
Down slope	Sec	0.1~5	Dimension (W*D*H)	mm	305*660*565
Spot time	Sec	0.1~5	Net Weight	kg	48.6

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HERO POWER

AC/DC TIG
INVERTER WELDING

AFT- 303

Application

Heavy & Precision fabrication、Aerospace
Heavy fabrication、Pipe and tube fabrication
Marine Fabrication & Repair、Aluminum fabrication



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Easy to set up and operate
4-segment arc control
(S-hard/hard/soft/S-soft)
Pulse sequence flexible adjustable
Provide 10 pin receptacle for welding current remote control

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380/415 V ,3Φ	Post flow time	Sec	2~20
Input voltage range	%	±15%	Pulse current	A	10~300
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 7.5~500
Rated input capacity	KVA	9.4			-
	KW	8.7			Low: 0.4~27
Rated output	V	TIG: 22	Pulse Ratio Width	%	20~80
		STICK: 30	Duty cycle	-	300A / 70%
	A	TIG: 300			250A / 100%
		STICK: 250	Water cooler control	-	✓
Welding amperage range	A	TIG: 5~300	AC Balance	%	20~50
		STICK: 5~250	Gas check	-	✓
Efficiency	%	76	Crater control	-	Crater / Repeat
Open-circuit voltage	V	75DC / 135AC	Insulation class	-	H
Up slope	Sec	0.1~5	Protection class	-	IP21S
Down slope	Sec	0.1~5	Dimension (W*D*H)	mm	410*510*620
Spot time	Sec	0.1~5	Net Weight	kg	65.6

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HERO POWER

AC/DC TIG
INVERTER WELDING

AFT- 400

Application

Heavy & Precision fabrication
Heavy fabrication、Pipe and tube fabrication
Aerospace、Marine Fabrication & Repair
Aluminum fabrication



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Easy to set up and operate
Pulse sequence flexible adjustable
4-segment arc control (S-hard/hard/soft/S-soft)
Provide 10 pin receptacle for welding current remote control

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380/415 V ,3Φ	Post flow time	Sec	2~15
Input voltage range	%	±15%	Pulse current	A	10~400
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 7.5~500
Rated input capacity	KVA	14.2			-
	KW	13.3			Low: 0.4~27
Rated output	V	TIG: 26	Pulse Ratio Width	%	20~80
		STICK: 30	Duty cycle	-	400A / 80%
	A	TIG: 400			350A / 100%
		STICK: 250	Water cooler control	-	✓
Welding amperage range	A	TIG: 10~400	AC Balance	%	10~50
		STICK: 10~250	Gas check	-	✓
Efficiency	%	78	Crater control	-	Crater / Repeat
Open-circuit voltage	V	75DC / 145AC	Insulation class	-	H
Up slope	Sec	0.1~5	Protection class	-	IP21S
Down slope	Sec	0.1~5	Dimension (W*D*H)	mm	410*510*620
Spot time	Sec	0.1~5	Net Weight	kg	62.6

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HERO POWER

AC/DC TIG

INVERTER WELDING

AFT- 500

Application

Heavy & Precision fabrication
Heavy fabrication、Pipe and tube fabrication
Aerospace、Marine Fabrication & Repair
Aluminum fabrication



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Easy to set up and operate
Pulse sequence flexible adjustable
4-segment arc control (S-hard/hard/soft/S-soft)
Provide 10 pin receptacle for welding current remote control

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380/415 V ,3Φ	Post flow time	Sec	2~15
Input voltage range	%	±15%	Pulse current	A	10~500
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 7.5~500
Rated input capacity	KVA	22.91			-
	KW	21.33			Low: 0.4~27
Rated output	V	TIG: 30	Pulse Ratio Width	%	20~80
		STICK: 36	Duty cycle	-	500A / 60%
	A	TIG: 500			390A / 100%
		STICK: 400	Water cooler control	-	✓
Welding amperage range	A	TIG: 10~500	AC Balance	%	20~50
		STICK: 10~400	Gas check	-	✓
Efficiency	%	70	Crater control	-	Crater / Repeat
Open-circuit voltage	V	67DC / 120AC	Insulation class	-	H
Up slope	Sec	0.1~5	Protection class	-	IP21S
Down slope	Sec	0.1~5	Dimension (W*D*H)	mm	445*610*550
Spot time	Sec	0.1~5	Net Weight	kg	80

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HERO POWER

PAW

PLASMA WELDING

PT- 30

Application

Aerospace industry、Pressure vessel industry
Pipe & tube fabrication
Medical instruments manufacturing



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Multiple welding modes can be selected(Spot/Crater/Repeat)
Pulse Function included, 3-stage switching pulse frequency
2T welding function for up/down slope
PLC control connection support
0~10V analog interface available to welding current
Complete plasma gas sequence control
Pilot arc current 1-30A adjustable
Abnormal signal warning design

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380/415 V ,3Φ	Post flow time	Sec	2~15
Input voltage range	%	±15%	Pulse current	A	0~30
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 1.3~500
Rated input capacity	KVA	11.42			Middle: 1.2~47
	KW	9.71			Low: 0.7~27
Rated output	V	DC ARC: 21.2	Pulse Ratio Width	%	1~99
		DC TIG: 21.2	Duty cycle	-	30A / 100%
	A	DC ARC: 30			-
		DC TIG: 30	Water cooler control	-	✓
Welding amperage range	A	DC ARC: 0~10	Clean	-	-
		DC TIG:0~30	Gas check	-	✓
Efficiency	%	85	Crater control	-	Crater/ Repeat
Open-circuit voltage	V	75±10	Insulation class	-	H
Up slope	Sec	0.2~10	Protection class	-	IP21S
Down slope	Sec	0.2~10	Dimension (W*D*H)	mm	386*716*643
Spot time	Sec	0.2~10	Net Weight	kg	55

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PT- 500

Application

Aerospace industry、Pressure vessel industry
Pipe & tube fabrication
Medical instruments manufacturing
Vacuum equipment manufacturing



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Multiple welding modes can be selected(Spot/Crater/Repeat)
Pulse Function included, 3-stage switching pulse frequency
2T welding function for up/down slope
PLC control connection support
0~10V analog interface available to welding current
Complete plasma gas sequence control
Pilot arc current 1-30A adjustable
Abnormal signal warning design

Specification

Input Power	V	220V,3Φ	Pulse frequency	HZ	High: 1.3~500
		380/415V,3Φ			Middle: 1.2~45
Input voltage range	%	±15%			Low: 0.3~13
Input frequency	HZ	50&60	Pulse Ratio Width	%	1~99
Rated input capacity	KVA	29.47	Duty cycle	-	500A / 70%
	KW	23.28			420A / 100%
Rated output	V	TIG: 40	Pilot Arc Current Selection	-	Single / Continuous
		ARC: 21.2	Pulse current	A	10~500
	A	TIG: 500	Cooling Water Flow Rate	LPM	1.2~12
		ARC: 30	Plasma Gas Flow Rate Range	LPM	0.1~1.0
Welding amperage range	A	TIG: 10~500	Shielding Gas Flow Rate Range	LPM	2~25
		ARC: 0~30	Gas check	-	✓
Efficiency	%	85	Crater control	-	Crater/ Repeat / Spot /Special 2T
Open-circuit voltage	V	75±10	Insulation class	-	H
Up slope	Sec	0.2~10	Protection class	-	IP21S
Down slope	Sec	0.2~10	Dimension (W*D*H)	mm	506*716*923
Spot time	Sec	0.2~10	Net Weight	kg	95

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HERO POWER

PAW
PLASMA WELDING

PAW- 50

Application

Aerospace industry　Pipe & tube fabrication
Pressure vessel industry
Medical instruments manufacturing
Vacuum equipment manufacturing



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Abnormal Signal Alarm Design
Arc current 0.2-25A adjustable
0-10V analog interface available to control welding current
2-stage switching pulse frequency
Complete plasma gas sequence control
With special welding function, perfect PLC control contact
Various welding modes optional, with full pulse wave adjustment function

Specification

Input voltage range	V	220V,1Φ	Shield Gas Pre flow time	Sec	0.1~2.5
		-	Shield Gas Post flow time	Sec	2~25
Input voltage range	%	±15%	Spot time	Sec	0.1~5
Input frequency	HZ	50&60	Pulse current	A	1~50
Rated input capacity	KVA	1.26	Pulse frequency	HZ	High: 0.4~14
	KW	0.87			-
Rated output	V	12			Low: 14~500
	A	50	Pulse frequency	%	20~80
Welding amperage range	A	Main Arc 0.2~50	Duty cycle	-	50A / 100%
		Arc 0.2~25			-
Efficiency	%	68.7	Water cooler control	-	✓
Open-circuit voltage	V	Main Arc 65	Gas check	-	✓
		Arc 120	Crater control	-	Crater/ Repeat/SPOT
Up slope	Sec	0.1~5	Insulation class	-	H
Down slope	Sec	0.1~5	Protection class	-	IP21S
Plasma Gas Pre flow time	Sec	0.1~2.5	Dimension (W*D*H)	mm	550*395*760
Plasma Gas Post flow time	Sec	0.5~12	Net Weight	kg	55.6

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HERO POWER

PAW
PLASMA WELDING

PAW- 200

Application

Aerospace industry　Pipe & tube fabrication
Pressure vessel industry
Medical instruments manufacturing
Vacuum equipment manufacturing



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Abnormal Signal Alarm Design
Arc current 1-25A adjustable
0-10V analog interface available to control welding current
2-stage switching pulse frequency
Complete plasma gas sequence control
With special welding function, perfect PLC control contact
Various welding modes optional, with full pulse wave adjustment function

Specification

Input voltage range	V	220 V ,1/3Φ	Shield Gas Pre flow time	Sec	0.1~2.5
		-	Shield Gas Post flow time	Sec	2~25
Input voltage range	%	±15%	Spot time	Sec	0.1~5
Input frequency	HZ	50&60	Pulse current	A	4~200
Rated input capacity	KVA	5	Pulse frequency	HZ	High: 0.4~14
	KW	4			-
Rated output	V	18			Low: 14~500
	A	200	Pulse frequency	%	20~80
Welding amperage range	A	Main Arc 4~200	Duty cycle	-	200A / 100%
		Arc 1~25			-
Efficiency	%	-	Water cooler control	-	✓
Open-circuit voltage	V	Main Arc 155	Gas check	-	✓
		Arc 120	Crater control	-	Crater/ Repeat/SPOT
Up slope	Sec	0.2~5	Insulation class	-	H
Down slope	Sec	0.2~5	Protection class	-	IP21S
Plasma Gas Pre flow time	Sec	0.1~2.5	Dimension (W*D*H)	mm	550*395*760
Plasma Gas Post flow time	Sec	0.5~12	Net Weight	kg	68.6

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HERO POWER

PAW
PLASMA WELDING

PAW- 500

Application

Aerospace industry　Pipe & tube fabrication
Pressure vessel industry
Medical instruments manufacturing
Vacuum equipment manufacturing



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Abnormal Signal Alarm Design
Arc current 1-30A adjustable
0-10V analog interface available to control welding current
2-stage switching pulse frequency
Complete plasma gas sequence control
With special welding function, perfect PLC control contact
Various welding modes optional, with full pulse wave adjustment function

Specification

Input voltage range	V	380 V ,3Φ	Shield Gas Pre flow time	Sec	0.1~2.5
		-	Shield Gas Post flow time	Sec	2~25
Input voltage range	%	±15%	Spot time	Sec	0.1~5
Input frequency	HZ	50&60	Pulse current	A	5~500
Rated input capacity	KVA	18.5	Pulse frequency	HZ	High: 0.4~14
	KW	17.2			-
Rated output	V	30			Low: 14~500
	A	500	Pulse frequency	%	20~80
Welding amperage range	A	Main Arc5~500	Duty cycle	-	500A / 100%
		Arc1~30			-
Efficiency	%	87	Water cooler control	-	✓
Open-circuit voltage	V	Main Arc143	Gas check	-	✓
		Arc103	Crater control	-	Crater/ Repeat/SPOT
Up slope	Sec	0.1~5	Insulation class	-	H
Down slope	Sec	0.1~5	Protection class	-	IP21S
Plasma Gas Pre flow time	Sec	0.1~2.5	Dimension (W*D*H)	mm	600*540*1120
Plasma Gas Post flow time	Sec	0.5~12	Net Weight	kg	121.6

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HERO POWER

PAW

PLASMA WELDING

PAW- 501

Application

Aerospace industry　Pipe & tube fabrication
Pressure vessel industry
Medical instruments manufacturing
Vacuum equipment manufacturing



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Abnormal Signal Alarm Design
PLC control connection support
Arc current 1-30A adjustable
0-10V analog interface available to control welding current

Specification

Input voltage range	V	380 V ,3Φ	Shield Gas Pre flow time	Sec	-
		-	Shield Gas Post flow time	Sec	-
Input voltage range	%	±15%	Spot time	Sec	-
Input frequency	HZ	50&60	Pulse current	A	-
Rated input capacity	KVA	19	Pulse frequency	HZ	-
	KW	17.7			-
Rated output	V	30			-
	A	500	Pulse frequency	%	-
Welding amperage range	A	Main Arc 1~500	Duty cycle	-	500A / 70%
		Arc 1~30			418A / 100%
Efficiency	%	85	Water cooler control	-	✓
Open-circuit voltage	V	Main Arc 143	Gas check	-	-
		Arc 103	Crater control	-	Crater
Up slope	Sec	-	Insulation class	-	H
Down slope	Sec	-	Protection class	-	IP21S
Plasma Gas Pre flow time	Sec	-	Dimension (W*D*H)	mm	600*540*1120
Plasma Gas Post flow time	Sec	-	Net Weight	kg	89.6

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ARCO

MIG/MAG/MMA

CO2 / MMA WELDING

ARCO 1680

“Designed for 5KG Wire Spools
Efficient Thin Sheet Welding”

Application

Portable DIY & On-Site Repairs
recision Thin Sheet Fabrication
Signage & Advertising Fabrication



Features

Compact and lightweight, convenient for on-site operations.
Inverter design for high efficiency and energy saving, with built-in overheat and overload protection.
Easy to operate and user-friendly, with smooth and stable wire feeding.
Supports CC/CV control modes, compatible with both CO2 and manual welding.
Adjustable inductance control for high-efficiency welding on thin materials.
Low spatter, effectively improving production efficiency.

Specification

Input Power	V	220V	Duty cycle	-	130A / 60%
		1Φ			101A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	-
Input frequency	HZ	50&60	Post flow time	Sec	-
Rated input capacity	KVA	5.64	Mig wire	mm	Φ0.6
	KW	3.16			Φ0.9
Rated output	V	16~20.5	Suggested welding depth	mm	0.5<
Welding amperage range	A	MIG :40~130	Insulation class	-	F
		MMA:20~130	Protection class	-	IP21S
Efficiency	%	84	Dimension (W*D*H)	mm	230*475*391
Open-circuit voltage	V	50±5	Net Weight	Kg	14.5

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ARCO

MIG/MAG/MMA

CO2 / MMA WELDING

ARCO 3000

"Designed for Automotive Repair
All-in-One Design, Plug & Play"

Application

Sheet Metal Fabrication
Signage Industry
Automotive Manufacturing
Furniture Manufacturing



Features

Built-in wire feeder & rear gas cylinder trolley for easy mobility.

Inverter design with high efficiency and overheat / overload protection.

Easy operation with smooth and stable wire feeding.

CC/CV modes supported, compatible with CO2 and MMA welding.

Adjustable inductance for efficient thin sheet welding.

Low spatter to enhance productivity.

Specification

Input Power	V	220V	Duty cycle	-	250A / 60%
		1Φ			194A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	-
Input frequency	HZ	50&60	Post flow time	Sec	-
Rated input capacity	KVA	12.26	Mig wire	mm	Φ0.9
	KW	7.85			Φ1.0
Rated output	V	16~26.5	Suggested welding depth	mm	0.8<
Welding amperage range	A	MIG :40~250	Insulation class	-	F
		MMA:20~250	Protection class	-	IP21S
Efficiency	%	84	Dimension (W*D*H)	mm	400*803*685
Open-circuit voltage	V	50±5	Net Weight	Kg	38

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HERO POWER

MIG/MAG

INVERTER WELDING

DM- 400R

Application

Ship and boat building、Automotive/Transportation equipment
Heavy equipment manufacturing、Structural steel fabrication
Tank/Pressure vessel fabrication



Features

Multiple functions: pulse gas shielded / welding / double pulse gas shielded welding,TIG & pulse welding, manual welding.

Can weld carbon steel, aluminum,and other materials and wire diameter from 0.8mm ~ 1.6mm.

Using digital control, parameter can be preset. It can store 10 sets of welding parameters.

The welding process is divided into two steps, four steps and special four steps.

Optional simulation communication module can be integratedinto automatic welding or robot welding equipment.

Specification

Input Power	V	220V, 3Φ	Duty cycle	-	400A / 60%
		380/415V, 3Φ			310A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	0~3.0
Input frequency	HZ	50&60	Post flow time	Sec	0~20.0
Rated input capacity	KVA	20.5	Mig wire	mm	Φ0.8,Φ1.0
	KW	16			Φ1.2,Φ1.6
Rated output	V	34	Suggested welding depth	mm	0.8<
	A	400	Insulation class	-	H
Welding amperage range	A	50~400	Protection class	-	IP21S
Efficiency	%	86	Dimension (W*D*H)	mm	300*610*535
Open-circuit voltage	V	70(+5,-2)	Net Weight	Kg	45

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HERO POWER

MIG/MAG
INVERTER WELDING

DM-400RS

Application

Ship and boat building、Automotive/Transportation equipment
Heavy equipment manufacturing、Structural steel fabrication
Tank/Pressure vessel fabrication



Features

Multiple functions: pulse gas shielded / welding / double pulse gas shielded welding,TIG & pulse welding, manual welding.

Can weld carbon steel, aluminum,and other materials and wire diameter from 0.8mm ~ 1.6mm.

Optimizing Welding Performance of Carbon Steel

Using digital control, parameter can be preset. It can store 10 sets of welding parameters.

The welding process is divided into two steps, four steps and special four steps.

Optional simulation communication module can be integratedinto automatic welding or robot welding equipment.

Specification

Input Power	V	220V, 3Φ	Duty cycle	-	400A / 60%
		380/415V, 3Φ			310A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	0~3.0
Input frequency	HZ	50&60	Post flow time	Sec	0~20.0
Rated input capacity	KVA	20.5	Mig wire	mm	Φ0.8,Φ1.0
	KW	16			Φ1.2,Φ1.6
Rated output	V	34	Suggested welding depth	mm	0.8<
	A	400	Insulation class	-	H
Welding amperage range	A	50~400	Protection class	-	IP21S
Efficiency	%	86	Dimension (W*D*H)	mm	300*610*535
Open-circuit voltage	V	70(+5,-2)	Net Weight	Kg	45

HERO POWER TECHNOLOGY CORP.
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NO.8, WU-KUNG 5 RD., NEW TAIPEI INDUSTRIAL PARK TAIPEI 242 TAIWAN

HERO POWER

MIG/MAG
INVERTER WELDING

DM-400RP

"Low Spatter | High Speed
Multi-Material Compatibility
One Machine, Every Metal."

Application

Sheet Metal Fabrication、Shipbuilding、Wind Power Generation
Bridge Construction、Construction & Civil Engineering、
Automotive Manufacturing、Steel Structure Processing



Features

IAdvanced IGBT Inverter: Energy-efficient with minimized copper and iron loss.
Multi-Material Mastery: One-stop solution for Aluminum, Stainless, and Carbon Steel.
Ultra-Low Spatter: Precision digital droplet control for clean, grind-free welds.
Integrated Multi-Process: Supports DC / Pulse / Double Pulse fo versatile sheet metal tasks.
10-Channel Memory: Instant recall of parameters for rapid thickness/wire changes.
Closed-Loop Feedback: Maintains stable arc even with extra-long torches.
Perfect Root Pass: Engineered for precision root welding and gap bridging.
Hyper-Arc Technology: Deep penetration for high-speed welding of medium-to-thick plates.
Full Digital Control: Intuitive panel on wire feeder for seamless on-the-fly adjustment.

Specification

Input Power	V	220V, 3Φ	Duty cycle	-	400A / 60%
		380/415V, 3Φ			310A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	0.00~9.99
Input frequency	HZ	50&60	Post flow time	Sec	0.00~9.99
Rated input capacity	KVA	23	Mig wire	mm	Φ0.8,Φ1.0
	KW	17.4			Φ1.2,Φ1.6
Rated output	V	34	Suggested welding depth	mm	0.8<
	A	400	Insulation class	-	H
Welding amperage range	A	20~400	Protection class	-	IP21S
Efficiency	%	80	Dimension (W*D*H)	mm	307*590*600
Open-circuit voltage	V	70	Net Weight	Kg	52.5

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HERO POWER

MIG/MAG
INVERTER WELDING

DM-500RP

"Low Spatter | High Speed
Multi-Material Compatibility
One Machine, Every Metal."

Application

Sheet Metal Fabrication、Shipbuilding、Wind Power Generation
Bridge Construction、Construction & Civil Engineering、
Automotive Manufacturing、Steel Structure Processing



Features

IAdvanced IGBT Inverter: Energy-efficient with minimized copper and iron loss.
Multi-Material Mastery: One-stop solution for Aluminum, Stainless, and Carbon Steel.
Ultra-Low Spatter: Precision digital droplet control for clean, grind-free welds.
Integrated Multi-Process: Supports DC / Pulse / Double Pulse fo versatile sheet metal tasks.
10-Channel Memory: Instant recall of parameters for rapid thickness/wire changes.
Closed-Loop Feedback: Maintains stable arc even with extra-long torches.
Perfect Root Pass: Engineered for precision root welding and gap bridging.
Hyper-Arc Technology: Deep penetration for high-speed welding of medium-to-thick plates.
Full Digital Control: Intuitive panel on wire feeder for seamless on-the-fly adjustment.

Specification

Input Power	V	220V, 3Φ	Duty cycle	-	500A / 60%
		380/415V, 3Φ			385A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	0.00~9.99
Input frequency	HZ	50&60	Post flow time	Sec	0.00~9.99
Rated input capacity	KVA	28	Mig wire	mm	Φ0.8,Φ1.0
	KW	22.6			Φ1.2,Φ1.6
Rated output	V	39	Suggested welding depth	mm	0.8<
	A	500	Insulation class	-	H
Welding amperage range	A	20~500	Protection class	-	IP21S
Efficiency	%	82	Dimension (W*D*H)	mm	307*590*600
Open-circuit voltage	V	70	Net Weight	Kg	50.6

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HERO POWER

MIG/MAG
INVERTER WELDING

DM- 550R

Application

Industrial Applications、Aerospace
Pressure vessel、Pipe & tube fabrication
Food process、Vacuum equipment



Features

multi-function: pulse & double pulse & CO2 MIG welding, constant current argon arc welding, pulse TIG welding, manual welding.

Welding wire diameter - 0.8mm, 1.0mm, 1.2mm, 1.6mm. Digital control, parameter preset for welding current, voltage, welding material, wire diameter, etc.

Can store 10 sets of welding data. The welding function included two steps, four steps and special four steps.

Optional simulation communication module for automatic welding or robot welding equipment in tegration.

Specification

Input Power	V	220, 3Φ	Duty cycle	-	550A / 60%
		380/415, 3Φ			426A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	0~3.0
Input frequency	HZ	50&60	Post flow time	Sec	0~20.0
Rated input capacity	KVA	32	Mig wire	mm	Φ0.8,Φ1.0
	KW	26			Φ1.2,Φ1.6
Rated output	V	41.5	Suggested welding depth	mm	0.8<
	A	550	Insulation class	-	H
Welding amperage range	A	50~550	Protection class	-	IP21S
Efficiency	%	88	Dimension (W*D*H)	mm	300*760*670
Open-circuit voltage	V	70	Net Weight	Kg	60

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DM- 1000

Application

Maintenance and repair、Sheet metal fabrication
General fabricators、Plant maintenance
General manufacturing



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Easy to set up and operate
Precision wire speed control for all medium and heavy industries welding applications
Inductance adjustment for precision control penetration
MMA function included
Gouging function included
Low spatter welding & high productivity

Specification

Input Power	V	220V, 3Φ	Duty cycle	-	1000A / 80%
		380/415V, 3Φ			800A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	-
Input frequency	HZ	60	Post flow time	Sec	-
Rated input capacity	KVA	52.85	Mig wire	mm	-
	KW	50.21			-
Rated output	V	44	Suggested welding depth	mm	-
	A	1000	Insulation class	-	H
Welding amperage range	A	100~1000	Protection class	-	IP21S
Efficiency	%	88	Dimension (W*D*H)	mm	510*860*970
Open-circuit voltage	V	75±5	Net Weight	Kg	132

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HERO POWER
SUBMERGED
INVERTER WELDING

DM- 1300

Application

Shipbuilding industry , Bridge-building industry
Pressure vessel industry、Wind power equipment
manufacture & maintenance of steel structures
nuclear power equipment



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Easy to set up and operate
Isolated control circuit board to prevent wind pollution
Compatible with Lincoln Submerged Arc controller
Compatible with Miller Submerged Arc controller
Inductance adjustment for precision control penetration

Specification

Input Power	V	380/415V, 3Φ	Duty cycle	-	1300A / 50%
Input voltage range	%	±15%			1000A / 100%
Input frequency	HZ	50&60	Pre flow time	Sec	-
Rated input capacity	KVA	70.7	Post flow time	Sec	-
	KW	60.2	Mig wire	mm	-
Rated output	V	44			-
	A	1300	Suggested welding depth	mm	-
Welding amperage range	A	10~60V	Insulation class	-	H
		100~1300A	Protection class	-	IP23S
Efficiency	%	95	Dimension (W*D*H)	mm	590*960*820
Open-circuit voltage	V	90	Net Weight	Kg	185

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HERO POWER

MIG/MAG
INVERTER WELDING

BEM- 350

Application

Maintenance and repair、Sheet metal fabrication
General fabricators、Plant maintenance
General manufacturing



Features

Portable type for on-site use
Inverter technology for energy-efficient
Thermal Overload Protection
Easy to set up and operate
welding applications
MMA function included
Inductance adjustment for precision control penetration
Low spatter welding & high productivity
Precision wire speed control for all medium and heavy industries
350A Powerful Output | 90.8% Energy Efficiency
Powerful output and high efficiency for stable, energy-saving welding.

Specification

Input Power	V	220V, 1/3Φ 380/415V, 3Φ	Duty cycle	-	350A / 60% 270A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	0.005
Input frequency	HZ	50&60	Post flow time	Sec	0.07
Rated input capacity	KVA	18.5	Mig wire	mm	,Φ1.0
	KW	13.11			Φ0.8 Φ1.2
Rated output	V	31.5	Suggested welding depth	mm	0.8<
	A	350	Insulation class	-	H
Welding amperage range	A	50~350	Protection class	-	IP21S
Efficiency	%	86	Dimension (W*D*H)	mm	302*610*455
Open-circuit voltage	V	50	Net Weight	Kg	34.6
Actual Welding Test — Input	KW	9.95	Note 1: Test conditions: 270A / 33.5V Note 2: The data shown are measured under specific welding conditions. Actual values may vary depending on the supply voltage, welding parameters, and load conditions.		
Actual Welding Test — Output	KW	9.04			
Actual Welding Test — Energy Efficiency	%	90.8			

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HERO POWER

MIG/MAG
INVERTER WELDING

BEM- 500

Application

Maintenance and repair、Sheet metal fabrication
General fabricators、Plant maintenance
General manufacturing



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Easy to set up and operate
MMA function included
Gouging function included
industries welding applications
Precision wire speed control for all medium and heavy
Inductance adjustment for precision control penetration
Low spatter welding & high productivity
500A Powerful Output | 85.4% Energy Efficiency
Powerful output and high efficiency for stable, energy-saving welding.

Specification

Input Power	V	220V, 3Φ 380/415V, 3Φ	Duty cycle	-	500A / 70% 450A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	0.005
Input frequency	HZ	50&60	Post flow time	Sec	0.07
Rated input capacity	KVA	29.4	Mig wire	mm	Φ0.8 ,Φ1.0
	KW	21.5			Φ1.2 ,Φ1.6
Rated output	V	39	Suggested welding depth	mm	0.8<
	A	500	Insulation class	-	H
Welding amperage range	A	50~500	Protection class	-	IP21S
Efficiency	%	88.8	Dimension (W*D*H)	mm	420*650*580
Open-circuit voltage	V	70	Net Weight	Kg	61
Actual Welding Test — Input	KW	14.34	Note 1: Test conditions: 350A / 35.0V Note 2: The data shown are measured under specific welding conditions. Actual values may vary depending on the supply voltage, welding parameters, and load conditions.		
Actual Welding Test — Output	KW	12.25			
Actual Welding Test — Energy Efficiency	%	85.4			

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BEM- 650

Application

Maintenance and repair、Sheet metal fabrication
General fabricators、Plant maintenance
General manufacturing



Features

Inverter technology for energy-efficient
Thermal Overload Protection
Easy to set up and operate
MMA function included
Gouging function included
industries welding applications
Precision wire speed control for all medium and heavy
Inductance adjustment for precision control penetration
Low spatter welding & high productivity
650A Powerful Output | 89.4% Energy Efficiency
Powerful output and high efficiency for stable, energy-saving welding.

Specification

Input Power	V	220V, 3Φ 380/415V, 3Φ	Duty cycle	-	650A / 80% 580A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	0.005
Input frequency	HZ	50&60	Post flow time	Sec	0.07
Rated input capacity	KVA	44.8	Mig wire	mm	Φ1.0 ,Φ1.2
	KW	33.6			Φ1.6 ,Φ2.0
Rated output	V	44	Suggested welding depth	mm	0.8<
	A	650	Insulation class	-	H
Welding amperage range	A	50~650	Protection class	-	IP21S
Efficiency	%	80	Dimension (W*D*H)	mm	420*650*580
Open-circuit voltage	V	80	Net Weight	Kg	67
Actual Welding Test — Input	KW	20.12	Note 1: Test conditions: 450A / 40.0V Note 2: The data shown are measured under specific welding conditions. Actual values may vary depending on the supply voltage, welding parameters, and load conditions.		
Actual Welding Test — Output	KW	18.00			
Actual Welding Test — Energy Efficiency	%	89.4			

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MIG/MAG
INVERTER WELDING

BCM- 200

Application

Maintenance and repair、Sheet metal fabrication
General fabricators、Plant maintenance
General manufacturing



Features

Lightweight and portability for outside job
Inverter technology for energy-efficient
Thermal Overload Protection
Easy to set up and operate
WIRE FEEDER is included in the machine.Precision wire speed control for all medium and heavy industries elding applications
Inductance adjustment for precision control penetration
Low spatter welding & high productivity

Specification

Input Power	V	220V, 1Φ -	Duty cycle	-	200A / 60% -
Input voltage range	%	±15%	Pre flow time	Sec	-
Input frequency	HZ	50&60	Post flow time	Sec	-
Rated input capacity	KVA	8.86	Mig wire	mm	Φ0.8,Φ1.0
	KW	5.62			-
Rated output	V	24	Suggested welding depth	mm	≥0.8
	A	200	Insulation class	-	F
Welding amperage range	A	50~200	Protection class	-	IP21S
Efficiency	%	85	Dimension (W*D*H)	mm	264*500*430
Open-circuit voltage	V	51	Net Weight	Kg	26

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HERO POWER

MIG/MAG

INVERTER WELDING

BCM-250EF

Application

Maintenance and repair、Sheet metal fabrication
General fabricators、Plant maintenance
General manufacturing



Features

Lightweight and portability for outside job
Inverter technology for energy-efficient
Thermal Overload Protection
Easy to set up and operate
Precision wire speed control for all medium and heavy industries elding applications
Inductance adjustment for precision control penetration
Low spatter welding & high productivity

Specification

Input Power	V	220V, 1/3Φ	Duty cycle	-	250A / 60%
		380/415V, 3Φ			190A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	-
Input frequency	HZ	50&60	Post flow time	Sec	-
Rated input capacity	KVA	10.4	Mig wire	mm	Φ0.8,Φ1.0
	KW	7.8			Φ1.2
Rated output	V	26.5	Suggested welding depth	mm	0.8<
	A	250	Insulation class	-	F
Welding amperage range	A	50~250	Protection class	-	IP21S
Efficiency	%	85	Dimension (W*D*H)	mm	230*505*245
Open-circuit voltage	V	51	Net Weight	Kg	18

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HERO POWER

MIG/MAG

INVERTER WELDING

BCM- 251

Application

Sheet metal fabrication、Shipbuilding industry
Bridge construction industry、Construction industry
Automobile manufacturing、Steel structure fabrication



Features

portability for outside job,Easy to set up and operate
Inverter technology for energy-efficient
Thermal Overload Protection
Stable and uniform wire feeding speed
Inductance control for adjustable penetration
Equipped with manual welding function
Low spatter welding & high productivity

Specification

Input Power	V	-	Duty cycle	-	250A / 60%
		380V, 3Φ			190A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	-
Input frequency	HZ	50&60	Post flow time	Sec	-
Rated input capacity	KVA	10.4	Mig wire	mm	Φ0.8,Φ1.0
	KW	7.8			Φ1.2
Rated output	V	26.5	Suggested welding depth	mm	0.8<
	A	250	Insulation class	-	H
Welding amperage range	A	50~250	Protection class	-	IP21S
Efficiency	%	85	Dimension (W*D*H)	mm	380*700*800
Open-circuit voltage	V	51	Net Weight	Kg	39

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HERO POWER

CUT

PLASMA CUTTER

DP- 50

Application

Shipbuilding industry ,Bridge-building industry
Construction/building Construction
Automotive manufacturing
manufacture & maintenance of steel structures



Features

Lightweight and portability for outside job
Inverter technology for energy-efficient
Thermal Overload Protection
Provides consistent high-speed cutting

Specification

Input Power	V	220V, 1Φ	Duty cycle	-	50A / 40%
		-			32A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	1 (+1, -0.05)
Input frequency	HZ	50&60	Post flow time	Sec	13 (±2)
Rated input capacity	KVA	10.6	Cutting thickness	mm	max 20
	KW	6.8			Recommended 15
Rated output	V	100	Gas check	-	✓
	A	50	Pilot	-	-
Cutting amperage range	A	20~50	Insulation class	-	H
Efficiency	%	82	Protection class	-	IP21S
Open-circuit voltage	V	266	Dimension (W*D*H)	mm	195*450*280
Water cooling	-	-	Net Weight	kg	17

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HERO POWER

CUT

PLASMA CUTTER

DP- 60

Application

Automotive、General Fabrication
Oil & Gas & Foundry、Marine Fabrication & Repair
Structural Fabrication、Construction & Field Erection



Features

Lightweight and portability for outside job
Inverter technology for energy-efficient
Thermal Overload Protection
Provides consistent high-speed cutting
Pilot Arc Starting

Specification

Input Power	V	220V, 1/3Φ	Duty cycle	-	60A / 40%
		380/415V,3Φ			40A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	0.5
Input frequency	HZ	50&60	Post flow time	Sec	20
Rated input capacity	KVA	14.1	Cutting thickness	mm	max 30
	KW	9.25			Recommended <15
Rated output	V	104	Gas check	-	✓
	A	60	Pilot	-	✓
Cutting amperage range	A	20~60	Insulation class	-	H
Efficiency	%	82	Protection class	-	IP21S
Open-circuit voltage	V	300	Dimension (W*D*H)	mm	235*555*365
Water cooling	-	-	Net Weight	kg	22

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BEP- 50

Application

Shipbuilding industry、Construction/building Construction
Bridge-building industry、Automotive manufacturing
manufacture & maintenance of steel structures



Features

Lightweight and portability for outside job
Inverter technology for energy-efficient
Thermal Overload Protection
Provides consistent high-speed cutting
Pilot Arc Starting

Specification

Input Power	V	220V, 1Φ -	Duty cycle	-	50A / 40% 32A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	1 (+1, -0.05)
Input frequency	HZ	50&60	Post flow time	Sec	13 (±2)
Rated input capacity	KVA KW	10.6 6.8	Cutting thickness	mm	max 20 Recommended 15
Rated output	V A	100 50	Gas check Pilot	- -	✓ ✓
Cutting amperage range	A	20~50	Insulation class	-	H
Efficiency	%	82	Protection class	-	IP21S
Open-circuit voltage	V	266	Dimension (W*D*H)	mm	212*400*244
Water cooling	-	-	Net Weight	kg	15

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HERO POWER

CUT
PLASMA CUTTER

BEP- 60

Application

Shipbuilding industry 、Construction/building Construction
Bridge-building industry、Automotive manufacturing
manufacture & maintenance of steel structures



Features

Lightweight and portability for outside job
Inverter technology for energy-efficient
Thermal Overload Protection
Provides consistent high-speed cutting
Pilot Arc Starting

Specification

Input Power	V	220V, 1/3Φ 380/415V,3Φ	Duty cycle	-	60A / 40% 40A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	0.5
Input frequency	HZ	50&60	Post flow time	Sec	20
Rated input capacity	KVA KW	14.1 9.25	Cutting thickness	mm	max 30 Recommended 20
Rated output	V A	104 60	Gas check Pilot	- -	✓ ✓
Cutting amperage range	A	20~60	Insulation class	-	H
Efficiency	%	82	Protection class	-	IP21S
Open-circuit voltage	V	266	Dimension (W*D*H)	mm	500*230*330
Water cooling	-	-	Net Weight	kg	22

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BEP- 92

Application

Shipbuilding industry、Automotive manufacturing
Bridge-building industry
Construction/building Construction
manufacture & maintenance of steel structures



Features

- Portable type for on-site use
- Inverter technology for energy-efficient
- Thermal Overload Protection
- Provides consistent high-speed cutting
- Pilot Arc Starting

Specification

Input Power	V	220V, 1/3Φ	Duty cycle	-	90A / 60%
		380/415V,3Φ			70A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	0.5
Input frequency	HZ	50&60	Post flow time	Sec	20
Rated input capacity	KVA	19.94	Cutting thickness	mm	max 40
	KW	15.48			Recommended 20
Rated output	V	116	Gas check	-	✓
	A	90	Pilot	-	✓
Cutting amperage range	A	20~90	Insulation class	-	H
Efficiency	%	87	Protection class	-	IP21S
Open-circuit voltage	V	264	Dimension (W*D*H)	mm	598*300*570
Water cooling	-	-	Net Weight	kg	43.6

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HERO POWER
CUT
PLASMA CUTTER

BEP- 120

Application

Shipbuilding industry ,Bridge-building industry
Construction/building Construction
Automotive manufacturing
manufacture & maintenance of steel structures



Features

- Inverter technology for energy-efficient
- Thermal Overload Protection
- Pilot Arc Starting
- Provides consistent high-speed cutting
- Optional water-cooled cutting torch

Specification

Input Power	V	220V, 1/3Φ	Duty cycle	-	120A / 60%
		380/415V,3Φ			90A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	0.5
Input frequency	HZ	50&60	Post flow time	Sec	20
Rated input capacity	KVA	28.3	Cutting thickness	mm	max 45
	KW	21.8			Recommended 35
Rated output	V	160	Gas check	-	✓
	A	120	Pilot	-	✓
Cutting amperage range	A	20~120	Insulation class	-	H
Efficiency	%	88	Protection class	-	IP21S
Open-circuit voltage	V	290	Dimension (W*D*H)	mm	420*650*580
Water cooling	-	✓	Net Weight	kg	61

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BEP- 160

Application

Shipbuilding industry ,Bridge-building industry
Construction/building Construction
Automotive manufacturing
manufacture & maintenance of steel structures

Features

Inverter technology for energy-efficien
Thermal Overload Protection
Provides consistent high-speed cutting
Pilot Arc Starting
Arc voltage feedback can support AVC
Remote control



Specification

Input Power	V	220V, 1/3Φ 380/415V,3Φ	Duty cycle	-	160A / 60% -
Input voltage range	%	±15%	Pre flow time	Sec	0.5
Input frequency	HZ	50&60	Post flow time	Sec	20
Rated input capacity	KVA KW	41.7 32	Cutting thickness	mm	max 50 Recommended 35
Rated output	V A	180 160	Gas check Pilot	- -	✓ ✓
Cutting amperage range	A	20~160	Insulation class	-	H
Efficiency	%	92	Protection class	-	IP21S
Open-circuit voltage	V	310	Dimension (W*D*H)	mm	755*430*730
Water cooling	-	✓	Net Weight	kg	94

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HERO POWER

CUT
PLASMA CUTTER

SP- 53

Application

Shipbuilding industry ,Bridge-building industry
Construction/building Construction
Automotive manufacturing
manufacture & maintenance of steel structures

Features

Lightweight and portability for outside job
Inverter technology for energy-efficient
Thermal Overload Protection
Provides consistent high-speed cutting



Specification

Input Power	V	220V, 1Φ -	Duty cycle	-	50A / 40% 32A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	1 ~1.5
Input frequency	HZ	50&60	Post flow time	Sec	12 (+3)
Rated input capacity	KVA KW	9.2 6.2	Cutting thickness	mm	max 15 Recommended 10
Rated output	V A	100 50	Gas check Pilot	- -	✓ ✓
Cutting amperage range	A	10~50	Insulation class	-	H
Efficiency	%		Protection class	-	IP21S
Open-circuit voltage	V	270	Dimension (W*D*H)	mm	215*424*305
Water cooling	-	-	Net Weight	kg	15

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HERO POWER

CUT

PLASMA CUTTER

AP- 90

Application

Shipbuilding industry ,Bridge-building industry
Construction/building Construction
Automotive manufacturing
manufacture & maintenance of steel structures



Features

Portable type for on-site use
Inverter technology for energy-efficient
Thermal Overload Protection
Provides consistent high-speed cutting
Pilot Arc Starting

Specification

Input Power	V	220V, 1/3Φ	Duty cycle	-	90A / 100%
		380/415V,3Φ			-
Input voltage range	%	+19%,-18%	Pre flow time	Sec	3
Input frequency	HZ	50&60	Post flow time	Sec	20
Rated input capacity	KVA	16.9	Cutting thickness	mm	max 50
	KW	15.08			Recommended 25
Rated output	V	116	Gas check	-	✓
	A	90	Pilot	-	✓
Cutting amperage range	A	20~90	Insulation class	-	H
Efficiency	%	90	Protection class	-	IP21S
Open-circuit voltage	V	265	Dimension (W*D*H)	mm	430*495*630
Water cooling	-	-	Net Weight	kg	55.6

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HERO POWER

AUTOMATION EQUIPMENT

Digital Automation Controller

Application

Heavy & Precision fabrication、Heavy fabrication
Pipe and tube fabrication、Aviation industry、electronics industry
Automotive industry

Features

RS485-Modbus Communications
Multi-set analog controlled pulse parameters
TIG connection to automation equipment
Spot welding function to cold welding effect level
Control parameter dataization



Specifications

Name	Digital Automation Controller
Model	Cold Welding Control
Voltage	AC 100~220V - 50/60HZ
Power	15W
Frequency	1~20HZ
Applicable	All argon welders
Operation Mode	Argon Welding - Spot Welding - Continuous Spot Welding
Time Mode	ON Time：1~1000ms OFF Time：1~1000ms
Frequency mode	Pulse frequency：1~20 Hz
	Pulse duty cycle：5~95%
Dimensions (W*D*H)	215*60*115mm
Weight	430g



●PC BASE
RS485-Modbus Communications
Windows operating software



●ALL Brand welding machine
cold welding
continuous spot welding

●HERO AT / DT Series
cold welding
continuous spot welding
analog controlled pulse parameters

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MMA

INVERTER WELDING

ARCO 210

"3.2MM
110VAC/220VAC"

Application

Carbon Steel Product Manufacturing
Pipeline Fabrication Industry
Industrial Equipment Manufacturing
Structural Steel Installation for Construction



Features

Compact and lightweight design for easy portability and outdoor operations.

Supports automatic switching between 110V / 220V dual voltage, ideal for light-duty field applications.

Equipped with current preset display for accurate output control and precise adjustment.

Built-in anti-shock (VRD) function enhances operational safety.

Suitable for continuous welding with electrodes up to 3.2mm; 4.0mm electrodes can be used for spot welding, greatly improving efficiency.

Specification

Input Power	V	110V,1Φ	Efficiency	%	85
		220V,1Φ	Open-circuit voltage	V	VRD<20V
Input voltage range	%	±15%	Duty cycle	-	190A / 25%
Input frequency	HZ	50&60			95A / 100%
Rated input capacity	KVA	7.8	Welding Electrode	mm	2.6~4.0
	KW	6.3	Insulation class	-	B
Rated output	V	24.4（110V） 27.6（220V）	Protection class	-	IP21S
	A	40~110（110V） 20~190（220V）	Dimension (W*D*H)	mm	185*400*310
Welding amperage range	A	40~110（110V） 20~190（220V）	Net Weight	kg	6.7

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MMA

INVERTER WELDING

ARCO 300

"4.0MM
220VAC/380VAC/440VAC"

Application

Carbon steel product manufacturing
Bridge construction industry
Pipeline fabrication industry
Industrial equipment manufacturing
Construction industry、Steel structure processing



Features

Lightweight and compact, ideal for on-site work.

Auto-switching between 220V / 380V / 440V to prevent power connection errors.

VRD safety feature lowers standby voltage for added protection.

Voltage & current displays meet safety inspection needs and ensure welding accuracy.

Easy arc start and adjustable arc force for stable welding on high-tensile and vertical-down applications.

Supports long welds with ≤4.0mm electrodes, and spot welding with 5.0mm under heavy-duty conditions.

Specification

Input Power	V	220/380/440V,1Φ	Efficiency	%	85
Input voltage range	%	±15%	Open-circuit voltage	V	65V/VRD<20V
Input frequency	HZ	50&60	Duty cycle	-	220A / 25%
Rated input capacity	KVA	9.2			110A / 100%
	KW	7.5	Welding Electrode	mm	2.6~5.0
Rated output	V	28.8	Insulation class	-	F
	A	20~220	Protection class	-	IP21S
Welding amperage range	A	20~220	Dimension (W*D*H)	mm	190*400*350
Arc Force Output Current Range	A	0~100	Net Weight	kg	7.7

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MMA
INVERTER WELDING

BES-300II

"Professional"

Application

Carbon steel product fabrication
Bridge and pipe fabrication
Industrial equipment manufacturing



Features

This machine uses an energy-saving inverter with protection from overheating and overload, ensuring stable use.

It has VRD safety, voltage/current display, and anti-stick current to meet jobsite safety needs.

Three arc start modes—adjustable, pulse, and no-current—plus external arc start and soft/hard arc control fit various rods and materials.

External arc force control supports stable welding, even for high-tensile steel and vertical-down welding.

Supports 5.0mm rods and 6.0mm spot welding; ideal for steel, vessels, and pipes.

Specification

Input Power	V	220V, 1/3Φ	Efficiency	%	86
		380/415V, 3Φ	Open-circuit voltage	V	75
Input voltage range	%	±15%	Duty cycle	-	300A / 60%
Input frequency	HZ	50&60			230A / 100%
Rated input capacity	KVA	15.06	Welding Electrode	mm	2.6~5.0
	KW	11.14	Insulation class	-	H
Rated output	V	32	Protection class	-	IP21S
	A	300	Dimension (W*D*H)	mm	215*504*300
Welding amperage range	A	20~300	Net Weight	kg	20

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MMA
INVERTER WELDING

DS- 400

"Professional"

Application

Carbon steel product fabrication
Bridge and pipe fabrication
Industrial equipment manufacturing



Features

This machine uses an energy-saving inverter with protection from overheating and overload, ensuring stable use.

It has VRD safety, voltage/current display, and anti-stick current to meet jobsite safety needs.

Three arc start modes—adjustable, pulse, and no-current—plus external arc start and soft/hard arc control fit various rods and materials.

External arc force control supports stable welding, even for high-tensile steel and vertical-down welding.

Supports continuous welding with rods up to 6.0mm; boosts efficiency for structural, vessel, and pipeline work.

Specification

Input Power	V	220V, 1/3Φ	Efficiency	%	85
		380 / 415V, 3Φ	Open-circuit voltage	V	75
Input voltage range	%	±15%	Duty cycle	-	400A / 60%
Input frequency	HZ	50&60			310A / 100%
Rated input capacity	KVA	21.99	Welding Electrode	mm	2.6~6.0
	KW	16.93	Insulation class	-	H
Rated output	V	36	Protection class	-	IP21S
	A	300 (1Φ) 400 (3Φ)	Dimension (W*D*H)	mm	300*613*463
Welding amperage range	A	20~400	Net Weight	kg	32

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HERO POWER

MMA
INVERTER WELDING

BES- 300

Application

Carbon steel product fabrication
Bridge and pipe fabrication
Industrial equipment manufacturing



Features

Lightweight and portability for outside job
Inverter technology for energy-efficient
Thermal Overload Protection
Low spatter
Arc force adjustment for precision control penetration

Specification

Input Power	V	220V, 1/3Φ	Efficiency	%	80
		380/415V, 3Φ	Open-circuit voltage	V	75
Input voltage range	%	±15%	Duty cycle	-	300A / 60%
Input frequency	HZ	50&60			230A / 100%
Rated input capacity	KVA	16.16	Welding Electrode	mm	2.6~5.0
	KW	12.01	Insulation class	-	H
Rated output	V	32	Protection class	-	IP21S
	A	300	Dimension (W*D*H)	mm	230*505*280
Welding amperage range	A	20~300	Net Weight	kg	18

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HERO POWER

MMA
INVERTER WELDING

BES- 400

Application

Carbon steel product fabrication
Bridge and pipe fabrication
Industrial equipment manufacturing



Features

Portable type for on-site use
Inverter technology for energy-efficient
Thermal Overload Protection
Low spatter
Arc force adjustment for precision control penetration

Specification

Input Power	V	220V, 1/3Φ	Efficiency	%	86
		380/415V, 3Φ	Open-circuit voltage	V	70
Input voltage range	%	±15%	Duty cycle	-	400A / 70%
Input frequency	HZ	50&60			335A / 100%
Rated input capacity	KVA	24.5	Welding Electrode	mm	2.6~6.0
	KW	16.7	Insulation class	-	H
Rated output	V	36	Protection class	-	IP21S
	A	400	Dimension (W*D*H)	mm	305*610*350
Welding amperage range	A	20~400	Net Weight	kg	27.6

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HERO POWER

Digital Automation Welder

INVERTER WELDING

DT- 300C

Application

Automated welding equipment,
Industrial Equipment Manufacturing
Sheet Metal /Stainless Steel Processing
Pipeline Manufacturing, Shipbuilding Industry



Features

TIG connection to automation equipment
Spot time from 1 to 1000 ms can be set and adjusted.
Spot welding function to cold welding effect level
RS485-Modbus Communications
Multi-set analog controlled pulse parameters
Control parameter dataization
Inverter technology for energy-efficient
Thermal Overload Protection

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380/415V,3Φ	Post flow time	Sec	2~20
Input voltage range	%	±15%	Pulse current	A	10~300
Input frequency	HZ	50&60	Pulse frequency	HZ	1~20
Rated input capacity	KVA	11.46			
	KW	8.23			
Rated output	V	TIG: 22	Pulse Ratio Width	%	5~95
			Duty cycle	-	300A / 60%
	A	TIG: 300			232A / 100%
			Water cooler control	-	✓
Welding amperage range	A	TIG: 10~300	Clean	-	-
			Gas check	-	✓
Efficiency	%	80	Crater control	-	Spot / Stitch Welding
Open-circuit voltage	V	110	Insulation class	-	H
Up slope	Sec	-	Protection class	-	IP21S
Down slope	Sec	-	Dimension (W*D*H)	mm	250*577*503
Spot time	mS	1~1000mS	Net Weight	kg	27

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HERO POWER

Digital Automation Welder

INVERTER WELDING

DT- 401C

Application

Automated welding equipment,
Industrial Equipment Manufacturing
Sheet Metal /Stainless Steel Processing
Pipeline Manufacturing, Shipbuilding Industry



Features

TIG connection to automation equipment
Spot time from 1 to 1000 ms can be set and adjusted.
Spot welding function to cold welding effect level
RS485-Modbus Communications
Multi-set analog controlled pulse parameters
Control parameter dataization
Inverter technology for energy-efficient
Thermal Overload Protection

Specification

Input Power	V	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		380/415V,3Φ	Post flow time	Sec	2~20
Input voltage range	%	±15%	Pulse current	A	10~400
Input frequency	HZ	50&60	Pulse frequency	HZ	1~20
Rated input capacity	KVA	15.2			
	KW	10.4			
Rated output	V	TIG: 26	Pulse Ratio Width	%	5~95
			Duty cycle	-	400A / 70%
	A	TIG: 400			335A / 100%
			Water cooler control	-	✓
Welding amperage range	A	TIG: 10~400	Clean	-	-
			Gas check	-	✓
Efficiency	%	80	Crater control	-	Spot / Stitch Welding
Open-circuit voltage	V	110	Insulation class	-	H
Up slope	Sec	-	Protection class	-	IP21S
Down slope	Sec	-	Dimension (W*D*H)	mm	310*600*650
Spot time	mS	1~1000mS	Net Weight	kg	39.4

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Air-Cooled Series | Lightweight Deployment × Flexible Operation

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680W

Unique Dual-Voltage Design



✓ Dual Voltage | 110V/220V Ready
✓ Lightweight Design | Easy Carry
✓ On-Site Operation | Flexible Use
✓ Repair Solution | Fast MaintenanceSolutions

Metal Processing | Equipment Repair | On-Site Construction | Auto Parts

40E High-Efficiency Processing
1000W



✓ Stable Output | Reliable Performance
✓ Multi-Material | SS / Carbon Steel / Aluminum

Metal Processing | Fabrication | Manufacturing | Small-Medium Production

50C Air-Cooled Flagship Model
1300W



✓ All-in-One Design | Mobile Ready
✓ 480g Torch | Lightweight Control
✓ Air Cooling | Instant Start
✓ 7" Touchscreen | Smart Setup
✓ 5.0mm Penetration | Multi-Material Welding

Metal Processing | Manufacturing | Repair | On-Site Construction | Auto Parts

Precision Pulsed Laser Cleaning
MOPA

P300-5 300W Precision × Zero Damage



✓ Pulsed Laser | Low Heat Damage
✓ Precision Cleaning | Delicate Parts
✓ Surface Protection | Material Safe

Semiconductor | Medical | Aerospace | Automotive | Precision Molds

300mm Continuous Laser Cleaning

75C 1700W Lightweight × Efficient Cleaning



✓ Lightweight Design Easy On-Site Operation
✓ High-Power Output | Fast Rust Removal
✓ Smart Dual-Wobble | Uniform Cleaning
✓ Air Cooling | No Water Chiller

HW2000-C 2000W High Power × Long Duty



✓ 2000W High Power | Large-Area Cleaning
✓ Smart Dual-Wobble | Stable Processing
✓ Smart Control | Multi-Mode Operation
✓ Industrial Cooling | Long-Duty Operation

Metalworking | Shipbuilding | Automotive | Construction | Pipelines

Water-Cooled Series
Mass Production × High Power

HW2000-5 2000W
5-in-1 Industrial Welding System



✓ 5-in-1 Function | All-in-One Solution
✓ Dual Water Cooling | Stable Output
✓ Smart Wire Feeding | Quality Weld Beads
✓ Industrial Grade | Built for Mass Production

Heavy Industry | Thick Plates | Automation | Shipbuilding | Heavy Machinery

Available in 1500W–2000W configurations to match your processing needs.

HW1500
1500W | Single Wire



HW2000
2000W | Single Wire



HW2000-2
2000W | Dual Wire



Energy-Storage Welding

✓ Low Heat Input | Less Heat Damage
✓ Deformation Control | Stable Results
✓ Multi-Pattern Welding | Better Joints

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Energy Storage Live Demo

1.2mm Galvanized + 0.6mm Mirror SS
Seamless Fusion × Mark-Free Finish

HPT HeroPowerTech
40+ R&D & Manufacturing

Choose HPT.
Choose Peace of Mind.

4 Service Commitments

✓ Local Service | Fast Response
✓ Technical Support | Smooth Integration
✓ Genuine Spare Parts | Reliable Quality
✓ Full Warranty | Worry-Free Operation

Air-Cooled	30E	40E	50C	75C	P300-5
Laser Power	680W	1000W	1300W	1700W	300W
Wobble Type	Single	Single	Single	Single	Dual
Wire Feeder	Single Wire	Single Wire	Single Wire	Continuous	Pulsed
Torch Weight	<0.48kg	<0.48kg	<0.48kg	<0.65kg	<0.72kg
Cable Length	5M	5M	5M	10M	5M
Input Voltage	110/220V	220V	220V	220V	110/220V
Dimensions	230*507*349mm	230*507*349mm	286*654*574mm	286*654*574mm	304*570*450mm
Net Weight	<21kg	<22kg	<46kg	<43kg	<25kg
Applications	4-in-1	4-in-1	4-in-1	Rust Cleaning	Rust Cleaning

Water-Cooled	HW 1500	HW 2000	HW 2000-2	HW 2000-5	HW 2000-C
Laser Power	1500W	2000W	2000W	2000W	2000W
Wobble Type	Single	Dual	Dual	Dual	Dual
Wire Feeder	Single Wire	Single Wire	Dual Wire	Single Wire	Continuous
Torch Weight	<0.75kg	≤1.0kg	≤1.0kg	≤1.0kg	≤1.0kg
Cable Length	10M	10M	10M	10M	10M
Input Voltage	220V	220V	220V	220V	220V
Dimensions	530*1040*860mm	530*1040*860mm	530*1040*860mm	530*1040*860mm	530*1040*860mm
Net Weight	≤90kg	≤90kg	≤90kg	≤90kg	≤90kg
Applications	4-in-1	4-in-1	4-in-1	5-in-1	Rust Cleaning



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OD8+Laser Safety Goggles

✓ OD8+ Protection | High Attenuation
✓ CE Certified | Trusted Safety
✓ Lightweight Frame | Comfort Fit
✓ Impact-Resistant | Durable Design

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Laser Welding Eye Safety

30E

"Unique Dual-Voltage
2.5mm Penetration Depth
Master it in 3 Minutes"

Application

Basic Industries: Hardware, Fixtures, Appliances, Construction

Precision Tech : Electronics, Medical, Instruments, New Energy

Transportation & Heavy Industry : Automotive, Shipbuilding, Aerospace & Components



Features

- Dual Voltage Design |Auto 110V/220V Switching, No Setup Required.
- 21kg Lightweight Body × 480g Smart Torch |Easy One-Person Transport with Remote Torch Control
- Instant Start | 24H Non-stop stable output. No preheat.
- Smart Interface | Mastery in 3 mins. Built-in presets for beginners.
- 4-in-1 Versatility | Weld, cut, de-rust, and clean in one machine.
- 2.5mm Deep Penetration | 20%+ gas/material savings. Smooth finish.
- Top 10 Protections | Global Certs: CE, FCC, MD, PL-e. Total safety.

Specification

System & Power	Rated Input Voltage	110/220V Single Phase, 60Hz	Welding Performance	Wobble Scan Type	Single Motor Scanning Wobble
	Rated Input Power	2.3kW		Wobble Type	Linear
	Max. Power Consumption	3.0kW		Wobble Length / Width	0~4.0mm
	Functional Mode	Welding / Cutting / Cleaning / Rust Removal		Max. Welding Thickness	220V：Stainless / Carbon Steel 2.5mm Aluminum 1.0mm / Brass 1.5 mm
	Control Interface	7-inch Touch Screen			110V：Stainless / Carbon Steel 2.0mm
	Dimensions (W*D*H)	230*507*349mm		Cable Length	5M
	Main Unit Weight	< 21kg		Torch Weight	< 0.48kg
Laser Performance	Fiber Connector	QBH	Wire Feeding	Wire Diameter	0.8/ 1.0/ 1.2mm
	Peak Power	110V：540W / 220V：680W		Spool Size	Max. Φ 300mm
	Rated Laser Output Power	110V：440W / 220V：580W		Spool Capacity	SS: 15kg / CS: 20kg
	Output Laser Wavelength	1080nm		Wire Feeder	Single
	Output Laser Wavelength	Continuous / Pulse / Spot	Cooling	Cooling Method	Air Cooled
	Safety Certification	CE, FCC, MD, PL-E		Assist Gas	Nitrogen、Argon
	Laser Safety Class	Class 4		Gas Input Pressure	0.3~0.8MPa

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HPT
HeroPowerTech
Air-Cooled Handheld Laser Welder
Handheld Laser Welder
30E Accessories

Choose HPT,
Not Just for Equipment | But for Peace-of-Mind Service

From delivery and training to after-sales support,four commitments safeguard every welding process.

1. Global Remote Support | Rapid Response, Reduced Downtime
   Reach our support team via email anytime. We respond swiftly to minimize downtime risks.
2. Professional Technical Support | Parameter optimization for a quick start
   Welding tests and parameter tuning ensure fast, optimal performance.
3. Original Parts Supply | Ample inventory for a worry-free supply
   Ready stock of original parts ensures uninterrupted production.
4. Full Warranty | Reliable Care, Peace of Mind
   Fast technical support and troubleshooting minimize your downtime.

Ready to Use • Full Standard Kit

Delivering Productivity, Not Just Equipment
Full kit included for instant production.

Core Precision Consumables

	Item	Qty	Product No.
Copper Nozzle Assembly	Internal Corner Nozzle 1.0	1 PCS	MW010403310
	Internal Corner Nozzle 1.2	1 PCS	MW010403311
	External Corner Nozzle 1.0	1 PCS	MW010403313
	External Corner Nozzle 1.2	1 PCS	MW010403314
	Cutting Nozzle	1 PCS	MW010403309
	Anti-Spatter Kit	1 SET	MW010402117
	Wire Feed Bracket (Outer Corner)	1 PCS	MW010402126
	Adjustable Tube	1 PCS	MW010402127
Lens	Protective Lens	10PCS	MW010403212
Contact Tip	Contact Tip 0.8	1 PCS	MW010403305
	Contact Tip 1.0	1 PCS	MW010403306
	Contact Tip 1.2	1 PCS	MW010403307
Feed Roller	Feed Roller V 0.8 / 1.0	2 PCS	MV970900115
	Feed Roller V 1.2 / 1.6	2 PCS	MV970900113
	Feed Roller U 0.8 / 1.0	2 PCS	MV970900114
	Feed Roller U 1.2 / 1.6	2 PCS	MV970900116

Laser Safety Gear

Item	Qty	Product No.
OD8+ Laser Safety Goggles	1 PCS	MW010600108
Protective Gloves	1 Pair	

Cables & Hoses

- Torch Holder Assembly (MW010402123)
- Power Cable Quick-Disconnect Male Plug
- 3P AC Plug (15A)
- 5M Wire Feeding Tube (MW010402131)
- 5M External Safety Circuit Cable (SW010500508)
- 5M Ext. Safety Ground Wire
- 5M Pneumatic Tubing, D6 / 0.1M Pneumatic Tubing, D10
- Air Hose Reducer Fitting (D10 to D6)

Cleaning and Maintenance Kit

- Safety Key
- Single Open-End Wrench, 21mm
- Allen Wrench / Hex Key, 2.5mm /4mm
- Masking Tape / Round-Tip Cotton Swabs

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40E

"22kg Main Unit + 480g Torch
3.5mm Penetration Depth
Master it in 3 Minutes"

Application

Basic Industries: Hardware, Fixtures, Appliances, Construction

Precision Tech : Electronics, Medical, Instruments, New Energy

Transportation & Heavy Industry : Automotive, Shipbuilding, Aerospace & Components



Features

- 22kg Ultra-Portable | PC-sized, easy one-hand carry.
- 480g Pro Torch | On-torch remote control for power/wire feed. Max efficiency.
- Instant Start | 24H Non-stop stable output. No preheat.
- Smart Interface | Mastery in 3 mins. Built-in presets for beginners.
- 4-in-1 Versatility | Weld, cut, de-rust, and clean in one machine.
- 3.5mm Deep Penetration | 20%+ gas/material savings. Smooth finish.
- Top 10 Protections | Global Certs: CE, FCC, MD, PL-e. Total safety.

Specification

System & Power	Rated Input Voltage	220V Single Phase, 60Hz	Welding Performance	Wobble Scan Type	Single Motor Scanning Wobble
	Rated Input Power	2.5kW		Wobble Type	Linear
	Max. Power Consumption	3.0kW		Wobble Length / Width	0~4.0mm
	Functional Mode	Welding / Cutting / Cleaning / Rust Removal		Max. Welding Thickness	Stainless / Carbon Steel 3.5mm
	Control Interface	7-inch Touch Screen			Aluminum / Brass 2.5 mm
	Dimensions (W*D*H)	230*507*349mm		Cable Length	5M
	Main Unit Weight	< 22kg		Torch Weight	< 0.48kg
Laser Performance	Fiber Connector	QBH	Wire Feeding	Wire Diameter	0.8/ 1.0/ 1.2/ 1.6mm
	Peak Power	1000W		Spool Size	Max. Φ 300mm
	Rated Laser Output Power	900W ±50		Spool Capacity	SS: 15kg / CS: 20kg
	Output Laser Wavelength	1080nm		Wire Feeder	Single
	Output Laser Wavelength	Continuous / Pulse / Spot	Cooling	Cooling Method	Air Cooled
	Safety Certification	CE, FCC, MD, PL-E		Assist Gas	Nitrogen 、Argon
	Laser Safety Class	Class 4		Gas Input Pressure	0.3~0.8MPa

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HeroPowerTech
Air-Cooled Handheld Laser Welder
Handheld Laser Welder

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Full kit included for instant production.

Core Precision Consumables

Item		Qty	Product No.
Copper Nozzle Assembly	Internal Corner Nozzle 1.0	1 PCS	MW010403310
	Internal Corner Nozzle 1.2	1 PCS	MW010403311
	Internal Corner Nozzle 1.6	1 PCS	MW010403312
	External Corner Nozzle 1.0	1 PCS	MW010403313
	External Corner Nozzle 1.2	1 PCS	MW010403314
	External Corner Nozzle 1.6	1 PCS	MW010403315
	Cutting Nozzle	1 PCS	MW010403309
	Wire Feed Bracket (Outer Corner)	1 PCS	MW010402126
	Adjustable Tube	1 PCS	MW010402127
Contact Tip	Contact Tip 0.8	1 PCS	MW010403305
	Contact Tip 1.0	1 PCS	MW010403306
	Contact Tip 1.2	1 PCS	MW010403307
	Contact Tip 1.6	1 PCS	MW010403308
Lens	Protective Lens	15 PCS	MW010403212
Feed Roller	Feed Roller V 0.8 / 1.0	2 PCS	MV970900115
	Feed Roller V 1.2 / 1.6	2 PCS	MV970900113
	Feed Roller U 0.8 / 1.0	2 PCS	MV970900114
	Feed Roller U 1.2 / 1.6	2 PCS	MV970900116

Laser Safety Gear

Item	Qty	Product No.
OD8+ Laser Safety Goggles	1 PCS	MW010600108

Cables & Hoses

- 5M Wire Feeding Tube (MW010402131)
- 5M External Safety Circuit Cable (SW010500508)
- 5M Ext. Safety Ground Wire
- 5M Pneumatic Tubing, D6
- 0.1M Pneumatic Tubing, D10
- Air Hose Reducer Fitting (D10 to D6)

Cleaning and Maintenance Kit

- Safety Key
- Single Open-End Wrench, 21mm
- Allen Wrench / Hex Key, 2.5mm
- Allen Wrench / Hex Key, 4mm
- Masking Tape
- Round-Tip Cotton Swabs

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50C

"Mobile Design + 480g Torch
5.0mm Depth | Instant Mastery"

Application

Basic Industries: Hardware, Fixtures, Appliances, Construction

Precision Tech：Electronics, Medical, Instruments, New Energy

Transportation & Heavy Industry：Automotive, Shipbuilding, Aerospace & Components



Features

- **IIntegrated Mobility**：All-in-one chassis (Feeder/Torch/Gas Tank*). High onsite flexibility.*Optional bracket.
- **480g Remote Torch**：Ultralight & Ergonomic. Direct control of Power / Swing / Wire-feed at your fingertips.
- **Run All Day**：Instant start, zero overheating. Stable output for non-stop operation.
- **3-Min Smart Setup**：Expert presets built-in. Achieve professional welds, even for beginners.
- **4-in-1 Multi-Tasking**：One system for Welding, Cutting, Cleaning, and Descaling.
- **5.0mm Deep Fusion**：Superior penetration with 20% less gas and material waste.
- **Global Safety Standards**：CE, FCC, MD, and PL-e certified. Comprehensive operator protection.

Specification

System & Power	Rated Input Voltage	220V Single Phase, 60Hz	Welding Performance	Wobble Scan Type	Single Motor Scanning Wobble
	Rated Input Power	4.5kW		Wobble Type	Linear
	Max. Power Consumption	5.0kW		Wobble Length / Width	0~5.5mm
	Functional Mode	Welding / Cutting / Cleaning / Rust Removal		Max. Welding Thickness	Stainless / Carbon Steel 5.0mm
	Control Interface	7-inch Touch Screen			Aluminum 3.5 / Brass4.0 /Copper 1.0mm
	Dimensions (W*D*H)	286*654*579mm		Cable Length	5M
	Main Unit Weight	< 46kg		Torch Weight	< 0.48kg
Laser Performance	Fiber Connector	QBH	Wire Feeding	Wire Diameter	0.8/ 1.0/ 1.2/ 1.6mm
	Peak Power	1300W		Spool Size	Max. Φ 300mm
	Rated Laser Output Power	1200W ±50		Spool Capacity	SS: 15kg / CS: 20kg
	Output Laser Wavelength	1080nm		Wire Feeder	Single
	Output Laser Wavelength	Continuous / Pulse / Spot	Cooling	Cooling Method	Air Cooled
	Safety Certification	CE, FCC, MD, PL-E		Assist Gas	Nitrogen、Argon
	Laser Safety Class	Class 4		Gas Input Pressure	0.3~0.8MPa

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Core Precision Consumables

	Item	Qty	Product No.
Copper Nozzle Assembly	Internal Corner Nozzle 1.0	1 PCS	MW010403310
	Internal Corner Nozzle 1.2	1 PCS	MW010403311
	Internal Corner Nozzle 1.6	1 PCS	MW010403312
	External Corner Nozzle 1.0	1 PCS	MW010403313
	External Corner Nozzle 1.2	1 PCS	MW010403314
	External Corner Nozzle 1.6	1 PCS	MW010403315
	Cutting Nozzle	1 PCS	MW010403309
	Anti-Spatter Kit	1 SET	MW010402117
	Wire Feed Bracket (Outer Corner)	1 PCS	MW010402126
	Adjustable Tube	1 PCS	MW010402127
Contact Tip	Contact Tip 0.8	1 PCS	MW010403305
	Contact Tip 1.0	1 PCS	MW010403306
	Contact Tip 1.2	1 PCS	MW010403307
	Contact Tip 1.6	1 PCS	MW010403308
Lens	Protective Lens	15 PCS	MW010403212
Feed Roller	Feed Roller V 0.8 / 1.0	2 PCS	MV970900115
	Feed Roller V 1.2 / 1.6	2 PCS	MV970900113
	Feed Roller U 0.8 / 1.0	2 PCS	MV970900114
	Feed Roller U 1.2 / 1.6	2 PCS	MV970900116

Laser Safety Gear

Item	Qty	Product No.
OD8+ Laser Safety Goggles	1 PCS	MW010600108

Cables & Hoses

- 5M Wire Feeding Tube (MW010402131)
- 5M External Safety Circuit Cable (SW010500508)
- 5M Ext. Safety Ground Wire
- 5M Pneumatic Tubing, D6
- 0.1M Pneumatic Tubing, D10
- Air Hose Reducer Fitting (D10 to D6)

Cleaning and Maintenance Kit

- Safety Key
- Single Open-End Wrench, 21mm
- Allen Wrench / Hex Key, 2.5mm
- Allen Wrench / Hex Key, 4mm
- Masking Tape
- Round-Tip Cotton Swabs

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Handheld Laser Welder
Air-Cooled Laser Cleaning & Rust Removal

P300-5

"< 25kg Ultra-Portable
MOPA | Clean Anything"

Application

Precision Technology：Electronics , Semiconductors , Medical Devices , Precision Instruments
Precision Manufacturing：Molds , Precision Parts , Jigs & Fixtures , Hardware Processing
Advanced Industry：Automotive Parts , Aerospace , New Energy , Research Applications

Features

- **Lightweight Mobility | <25kg Portable Design**
  Compact and lightweight for easy transport and on-site operation.
- **MOPA Pulsed Laser | Precision & Zero Damage**
  Low heat input protects base materials with minimal thermal impact.
- **Green Cleaning | No Consumables Required**
  Chemical-free and abrasion-free cleaning for lower cost and eco-friendly operation.
- **Multi-Application | 11 Scan Modes**
  Supports rust removal, paint stripping, degreasing, and mold cleaning in one system.
- **Precision Cleaning | Fine Detail Processing**
  Ideal for molds, precision parts, and high-quality surface treatment.
- **10 Safety Protections | International Certified** ：CE / FDA / FCC Certified



Specification

System & Power	Rated Input Voltage	110 / 220V Single Phase, 60Hz	Cleaning Performance	Wobble Scan Type	Dual Motor Scanning Wobble
	Rated Input Power	1.0 kW		Wobble Type	Linear , Planar
	Max. Power Consumption	2.0 kW		Applicable Materials	Metal (SS / Al / Ti / Cu)
	Functional Mode	Pulsed Cleaning			Precision Molds, PCBs, Wood
	Control Interface	7-inch Touch Screen			Leather, Footwear Materials
	Dimensions (W*D*H)	570*304*450mm		Scan Width	0~220 mm
	Main Unit Weight	< 25kg		Wobble Frequency	0~130 Hz
Laser Performance	Fiber Connector	QCS		Cleaning Efficiency	≤ 4m² / H
	Peak Power	300W		Focusing Lens	F254
	Rated Laser Output Power	300W ±10		Cable Length	5 M
	Output Laser Wavelength	1064nm		Torch Weight	< 0.72 kg
	Output Laser Wavelength	Pulse	Cooling	Cooling Method	Air Cooled
	Safety Certification	CE, FDA , FCC		Assist Gas	Nitrogen / Argon / Compressed Air
	Laser Safety Class	Class 4		Gas Input Pressure	0.3~0.8MPa

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Full kit included for instant production.

Item / Product No.	Qty
OD8+ Laser Safety Goggles / MW010600108	1PCS
Protective Lens / MW010403230	10PCS
Bracket Base Assembly	1SET
Universal Side-Blow Air Tube	1PCS
Pneumatic Tubing, D6	5M
Pneumatic Tubing, D10	0.1M
Air Hose Reducer Fitting (D10 to D6)	1PCS
Ext. Safety Ground Wire	5M
Protective Gloves	1pair
Masking Tape	1roll
Round-Tip Cotton Swabs	1pack



◀ Bracket Base Assembly



▲ Universal Side-Blow Air Tube

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75C

"300mm×Smart Dual-Wobble High-Efficiency Cleaning"

Application

General Industry : Hardware ,Metalworking , Construction , Equipment Repair

Heavy Industry : Steel Structures,Shipbuilding ,Heavy Machinery,Automotive

Infrastructure : Bridges,Pipelines,Pressure Vessels ,Storage Tanks



Features

- **Non-Contact Smart Cleaning | Substrate Protection**
  Ultrasonic distance sensing ensures consistent cleaning while protecting the base material.
- **300mm Wide Coverage | Fast Large-Area Cleaning**
  Quickly removes rust, paint, and surface contaminants to maximize productivity.
- **High-Efficiency Air Cooling | 24H Stable Operation**
  No preheating or water chiller required for continuous operation.
- **Low Noise & Energy Saving | Comfortable Operation**
  Low-noise, energy-efficient design for a safer and more comfortable workspace.
- **10 Safety Protections | International Certified**
  Certified to CE, FCC, MD, and PL-e standards for reliable operator safety.

Specification

System & Power	Rated Input Voltage	220V Single Phase, 60Hz	Cleaning Performance	Wobble Scan Type	Single Motor Scanning Wobble
	Rated Input Power	5.5kW		Wobble Type	Linear
	Max. Power Consumption	5.4kW		Cleaning Target	Rust, Paint & Oxide Layers
	Functional Mode	Continuous Cleaning		Applicable Materials	Industrial Metal Substrates,Hardware
	Control Interface	7-inch Touch Screen			Heavy Industry Components
	Dimensions (W*D*H)	653*286*574mm		Scan Width	0–300 mm
	Main Unit Weight	< 43kg		Wobble Frequency	0–100 Hz
Laser Performance	Fiber Connector	QBH		Ultrasonic Distance Sensor	300–800 mm
	Peak Power	1700W		Focusing Lens	F300 / F400 / F600 / F800
	Rated Laser Output Power	1600W		Cable Length	10 M
	Output Laser Wavelength	1080nm		Torch Weight	< 0.65 kg
	Output Laser Wavelength	Continuous / Pulse	Cooling	Cooling Method	Air Cooled
	Safety Certification	CE, FCC, MD, PL-E		Assist Gas	Nitrogen / Argon / Compressed Air
	Laser Safety Class	Class 4		Gas Input Pressure	0.3~0.8MPa

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Item	Product No.	Specification	Qty
OD8+ Laser Safety Goggles	MW010600108	LP-ADY-3 DIN4 1064nm	1pcs
Protective Lens	MW010403228	JGS2*D30*T5	10pcs
Focusing Lens F300 (Cleaning)	MW010403217	D20*4 / F300	1pcs
Focusing Lens F400 (Cleaning)	MW010403203	D20*4.5/F400*W60mm	1pcs
Focusing Lens F600 (Cleaning)	MW010403218	D20*4.5/F600	1pcs
Focusing Lens F800 (Cleaning)	MW010403204	D20*4.5/F800*W120mm	1pcs
Pneumatic Tubing, D6			5m
Pneumatic Tubing, D10			0.1m
Air Hose Reducer Fitting (D10 to D6)			1pcs
Ext. Safety Ground Wire			5m
Protective Gloves			1pair
Masking Tape			1roll
Round-Tip Cotton Swabs			1pack

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HW2000-C

"300mm×Smart Dual-Wobble High-Efficiency Cleaning"

Application

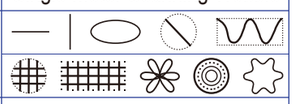
General Industry : Sheet Metal , Metalworking , Steel Structures , Heavy Machinery
Precision Industry : Electronics , Semiconductors , Precision Molds , Automation
Transportation & Energy : Automotive , Shipbuilding , Rail Transit , Energy Equipment



Features

- **Smart Dual-Wobble | 9 Scan Modes**
  Multiple waveform options optimize cleaning paths for different contaminants.
- **300mm Wide Coverage | Fast Large-Area Cleaning**
  Up to 300mm cleaning width for rapid removal of rust, paint, oxide layers, and surface contaminants.
- **Industrial Water Cooling | Stable Continuous Operation**
  Full water-cooling design supports high-power, long-duration processing.
- **Multi-Safety Protection | Reliable Operation**
  Advanced safety interlocks and protection systems ensure safer operation.

Specification

System & Power	Rated Input Voltage	220V Single Phase, 50/60Hz	Cleaning Performance	Wobble Scan Type	Single Motor Scanning Wobble
	Rated Input Power	16 kW		Wobble Type	
	Max. Power Consumption	< 8.5 kW		Cleaning Target	Rust, Coatings & Oxide Layers
	Functional Mode	Continuous Cleaning		Applicable Materials	Industrial Metal Components
	Control Interface	7-inch Touch Screen		Scan Width	300 * 300 mm
	Dimensions (W*D*H)	530*1040*860mm		Scanning Speed	20000 mm/s
	Main Unit Weight	< 90 kg		Ultrasonic Distance Sensor	Φ10
Laser Performance	Laser Source Brand	Raycus		Focusing Lens	F800
	Fiber Connector	QBH		Cable Length	10 M
	Rated Laser Output Power	1200W ±50		Torch Weight	< 1.0 kg
	Output Laser Wavelength	1080± 5nm	Cooling	Cooling Method	Water Cooled
	Output Laser Wavelength	Continuous		Assist Gas	Nitrogen / Argon / Compressed Air
	Safety Certification	CE		Gas Input Pressure	≥ 0.5~0.8MPa
	Laser Safety Class	Class 4			

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Ready to Use • Full Standard Kit

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Item	Product No.	Qty
OD8+ Laser Safety Goggles	MW010600108	1PCS
Protective Lens	MW010403232	4PCS
Torch Dust Cover		1PCS
QBH Dust Cover Kit		1SET
Torch Holder		1PCS
Torch Cable Bracket		1PCS
Pneumatic Tubing		4M
Protective Gloves		1pair
Hex Key Set		1SET
Cotton Swabs		1SET

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Class 4 Laser Safety Warning

This is a high-power Class 4 laser device. Direct or indirect exposure causes skin burns and permanent vision loss. To ensure safety, always wear HPT-OD8+ laser safety glasses complying with EN 207:2017 (OD8+, 900-1100 nm) during operation.



▲MW010600108
OD8+ Laser Safety Glasses

Scan/Click to watch YouTube
Laser Safety & Operation Video

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HeroPowerTech

Handheld Laser Welder
Water-Cooled Handheld Laser Welder

HW1500

"1500W
CE Certified 4-in-1"



Application

General Industry：Sheet metal cabinets / kitchen & bath / construction / hardware tools
Precision Technology：Electronics / medical / molds / new energy
Heavy Transpor：Automotive / aerospace / rail equipment

Features

Core Brand：Raycus laser + Suplaser torch + S&A-temp chiller for high output, long-term stability, and industrial reliability.
4-in-1 Function：Welding / Cutting / Cleaning / Rust Removal—fast switching for flexible, efficient production.
High-Precision Welding：Small heat-affected zone, smooth welds, reducing grinding and post-processing.
Multi-Material：Stainless steel, carbon steel, aluminum; stable welding from thin to medium-thick plates.
Smart Wire Feeding：Ensures uniform and high-strength welds.
Energy-Saving & Safe： Low power consumption, touch operation, multiple protections for reliable performance.

Specification

System & Power	Rated Input Voltage	220V 1Φ, 50/60Hz	Welding Performance	Torch Brand	Suplaser
	Rated Input Power	9kW		Wobble Scan Type	Single Motor Scanning Wobble
	Max Power Consumption	< 4.5kW		Wobble Type	Linear
	Control System	Suplaser System		Wobble Length / Width	Welding：0~8mm
	Functional Mode	Welding / Cutting / Cleaning / Rust Removal			Cleaning：0~120mm
	Control Interface	7-inch Touch Screen		Cable Length	10M
Laser Performance	Laser Source Brand	Raycus		Torch Weight	0.75kg
	Fiber Connector	QBH	Wire Feeding	Wire Feeder	Single
	Rated Laser Output Power	1500W ±50		Wire Diameter	0.8/1.0/1.2/1.6mm
	Output Laser Wavelength	1080 ±5nm	Cooling	Chiller Brand	S&A
	Operation Mode	Continuous / Pulse / Spot		Cooling Method	Dual-temp dual-control water cooling
	Safety Certification	CE		Assist Gas	Argon / Nitrogen
	Laser Safety Class	Class 4		Gas Input Pressure	≤1.5MPa

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Water-Cooled Handheld Laser Welder

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   Reach our support team via email anytime. We respond swiftly to minimize downtime risks.
2. Professional Technical Support | Parameter optimization for a quick start
   Welding tests and parameter tuning ensure fast, optimal performance.
3. Original Parts Supply | Ample inventory for a worry-free supply
   Ready stock of original parts ensures uninterrupted production.
4. Full Warranty | Reliable Care, Peace of Mind
   Fast technical support and troubleshooting minimize your downtime.

Ready to Use • Full Standard Kit

Delivering Productivity, Not Just Equipment
Full kit included for instant production.

Core Precision Consumables

	Item	Qty	Product No.
Nozzle Kit	Nozzle AS-12	1 PCS	MW010403319
	Nozzle ES-12	1 PCS	MW010403322
	Nozzle CS-12	1 PCS	MW010403321
	Nozzle BS-16	1 PCS	MW010403320
	Nozzle FS-16	1 PCS	MW010403323
	Nozzle C	1 PCS	MW010403324
	Nozzle S	1 PCS	
	Nozzle H	1 PCS	
	Nozzle AS-20D	1 PCS	
	Scale Tube FT-80	1 PCS	
Lenses	Protective Lens	6 PCS	MW010403219
	Focusing Lens (Welding)	1 PCS	MW010403202
	High-Reflective Mirror	1 PCS	MW010403206
	Collimating Lens	1 PCS	MW010403205
Wire Feeding Accessories	Wire Guide Tube 60mm	1 PCS	MW010402306
	Wire Guide Tube 100mm	1 PCS	MW010402307
	Contact Tip 0.8mm	1 PCS	MW010403324
	Contact Tip 1.0mm	1 PCS	MW010403325
	Contact Tip 1.2mm	1 PCS	MW010403326
	Contact Tip 1.6mm	1 PCS	MW010403327
	Wire Liner	5 M	MW010402139
	Wire Feed Roller V0.8/1.0	2 PCS	MV970900105
	Wire Feed Roller V1.2/1.6	2 PCS	MV970900106

Laser Safety Gear

Item	Qty	Product No.
OD8+ Laser Safety Glasses	1 PCS	MW010600108
Protective Gloves	1 Pair	

Cables & Hoses

- 5M Wire Feeder Power Cable
- 7M Wire Feeder Signal Cable
- 4M Gas Hose
- 10M Safety Loop Cable

Cleaning and Maintenance Kit

- Torch Dust Cover | 1 PC
- QBH Dust Cap | 1 Set
- Torch Holder | 1 PC
- Torch Assembly Cable Bracket | 1 PC
- Wire Feeder Casters | 4 PCS
- Cotton Swabs | 1 Pack
- Thread Seal Tape | 1 Roll
- Hex Key Wrench Set | 1 Set
- Open-End Wrenches (12/14 & 14/17) | 1 Each

**In-Stock Standardized Parts,
Delivered Fast & Reliably.**

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Email us for parts and accessories inquiries.

Class 4 Laser Safety Warning

This is a high-power Class 4 laser device. Direct or indirect exposure causes skin burns and permanent vision loss. To ensure safety, always wear HPT-OD8+ laser safety glasses complying with EN 207:2017 (OD8+, 900-1100 nm) during operation.

Scan/Click to watch YouTube
Laser Safety & Operation Video

High-Spec Optical Protection X Reinforced Design Building a Laser Safety Shield to Protect Your Eyes



▲MW010600108 OD8+ Laser Safety Glasses

Standards & Regulations	EN 207:2017 (Complies with EU Personal Protective Equipment Regulation (EU) 2016/425)
Material	Lens: Polycarbonate
	Frame: TR90
Laser Protection Level	Provides superior OD 8+ optical density protection in the 900nm–1100nm wavelength range.
Robustness Rating	Rated S (Increased Robustness), offering excellent mechanical strength and durability.

Laser Power Source

Raycus Fiber Laser：A global leader in fiber lasers, featuring over 35% electro-optical conversion efficiency to lower energy consumption. Its advanced anti-reflection mechanism protects the laser core, ensuring stable output when processing highly reflective materials like aluminum and brass, extending module lifespan, and reducing maintenance risks.



▲ ZA010000010
1500W Laser Power Source

HW2000-5 5-in-1

Exclusive **Energy-Storage Welding Mode**
Compare Models. Choose Yours.

Energy-Storage Tech | Low Heat, High Efficiency

Uses low average power + peak impulse output to release energy instantly, shrinking the HAZ (heat-affected zone) and speeding up cooling. This ensures minimal deformation/ discoloration and fine weld beads—ideal for thin sheets and high-aesthetic workpieces.

Scan/Click to watch YouTube
Energy-Storage Welding Demo Video

Versatile Scanning | Precise Heat Input Control

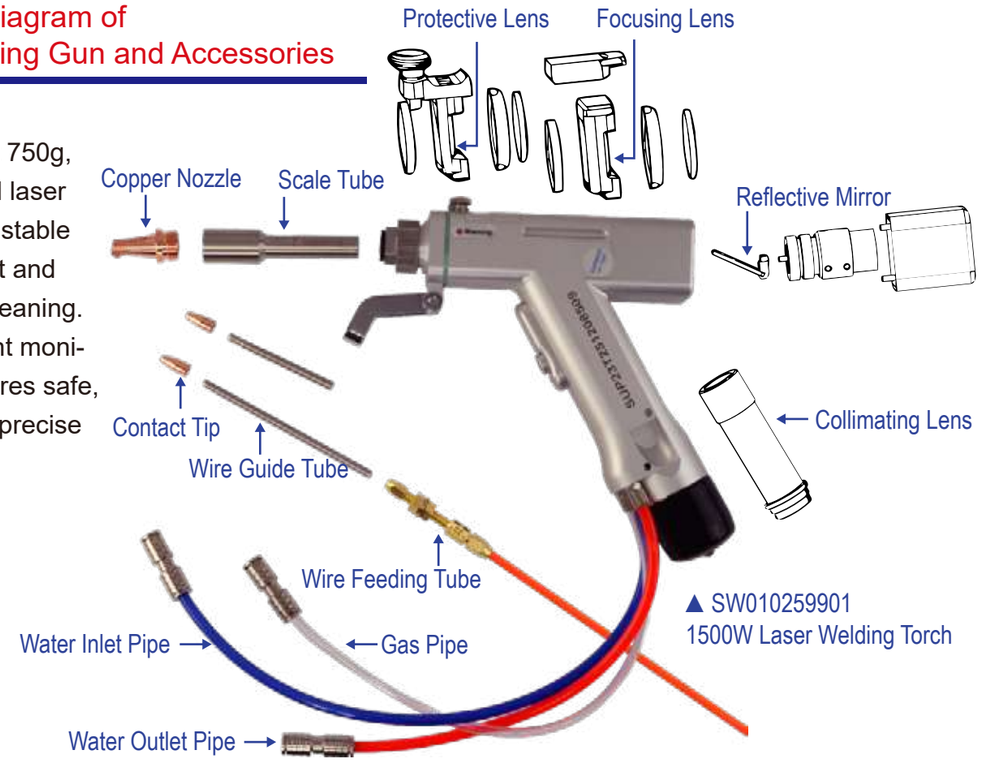
Features 8 scan patterns and 4 linear modes for custom waveforms. Adjustable scan counts and cycles ensure superior, stable weld beads.

HPT HeroPowerTech Water-Cooled Handheld Laser Welder
Handheld Laser Welder
HW1500 Accessories

Structure Diagram of Laser Welding Gun and Accessories

Suplaser

Weighing just 750g, the integrated laser gun supports stable 1500W output and wide-range cleaning. With intelligent monitoring, it ensures safe, efficient, and precise welding.



▲ SW010259901
1500W Laser Welding Torch

Laser Welding Gun Special | Lenses

Laser optical lenses are key indicators determining welding and cleaning quality. Original lenses possess high damage thresholds and excellent thermal stability, ensuring your equipment maintains precise focal spots and stable energy output during prolonged operation.

Item / Product No.	Specification / Quantity (per Box)	Application
Protective Lens MW010403219	D18*T2 / 5PCS / 5PCS	【Standard】 First line of defense, blocking spatters.
Focusing Lens MW010403202 (Welding Only)	D20*4.5*F150 / 1PCS	【Standard】 Precise focusing, ensuring stable deep penetration welding quality.
Focusing Lens MW010403203 (Cleaning Only)	D20*4.5*F400*W60mm / 1PCS	【Optional】 Applicable for 60mm width cleaning, balancing efficiency and precision.
Focusing Lens MW010403204 (Cleaning Only)	D20*4.5*F800*W120mm / 1PCS	【Optional】 Dedicated for 120mm large-area cleaning.
Reflective Mirror MW010403206	M30*14*T2 / 1PCS	【Standard】 High-reflectivity design, reducing energy attenuation.
Collimating Lens MW010403205	D16*T5*F60 / 1PCS	【Standard】 Optical path alignment, maintaining high-quality output.

Specification Units: D=Diameter, T=Thickness, F=Focal Length / Unit: mm

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Copper Nozzle Kit

Original Forged Red Copper Nozzle

Precision nozzle for stable gas flow and smooth wire feeding.
Ensures a stable arc and consistent weld quality.

Kit Components	Application	Wire Diameter	Available Separately / Product No.
❶ Copper Nozzle AS-12	Flat / Fillet / Outside Corner Welding	0.8 / 1.0 / 1.2	Available Separately / MW010403319
❷ Copper Nozzle ES-12	Thin Plate Outside Corner Welding	0.8 / 1.0 / 1.2	Available Separately / MW010403322
❸ Copper Nozzle CS-12	Outside Corner Welding	0.8 / 1.0 / 1.2	Available Separately / MW010403321
❹ Copper Nozzle BS-16	Flat / Fillet / Outside Corner Welding	1.6	Available Separately / MW010403320
❺ Copper Nozzle FS-16	Outside Corner Welding	1.6	Available Separately / MW010403323
❻ Copper Nozzle C	Outside Corner Welding without Filler Wire	N/A	Available Separately / MW010403324
❼ Copper Nozzle S	Cutting Adapter	N/A	N/A
❽ Copper Nozzle H	Cutting / Single Layer 1.5mm	N/A	N/A
❾ Copper Nozzle AS-20D	Weld Bead Cleaning / Dual Wire Feeding	2.0	N/A
❿ FT-80	Scale Tube	N/A	N/A

Standard Configuration × Optional Upgrades

Flexible Adaptation to Different Working Conditions

Item	Standard Copper Nozzle	Anti-Spatter Copper Nozzle
Spatter Adherence	Prone to Buildup	Resistant to Adherence
Gas Flow Stability	More Easily Affected	Stable and Uniform
Weld Bead Quality	Stable Performance	Smoother and More Consistent
Service Life	Standard Lifespan	Significantly Improved
Maintenance Frequency	Requires Regular Cleaning	Low Maintenance Requirements



▲ SJ010000137
Laser Welding Copper Nozzle

Upgraded Anti-Spatter Copper Nozzle



- Advanced Structure：Embedded end-cap design for enhanced physical shielding.
- Gas Protection：6 dedicated gas guide holes ensure stable airflow and reduce weld oxidation.
- Dual Protection：End-cap shielding and airflow guidance reduce spatter buildup and extend protective lens life.

Product No.	Item /Applicable Wire Diameter	Application
MW010403343	Anti-Spatter Copper Nozzle AS-12 / 0.8 / 1.0 / 1.2	Flat / Fillet / Outside Corner Welding
MW010403346	Anti-Spatter Copper Nozzle ES-12 / 0.8 / 1.0 / 1.2	Thin Plate Outside Corner Welding
MW010403344	Anti-Spatter Copper Nozzle CS-12 / 0.8 / 1.0 / 1.2	Outside Corner Welding
MW010403345	Anti-Spatter Copper Nozzle C	Outside Corner Welding without Filler Wire

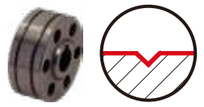
HPT
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Water-Cooled Handheld Laser Welder
Handheld Laser Welder
HW1500 Accessories

Wire Feeder Consumables

Welding Requirements

Stainless Steel / Carbon Steel

Select "V-Groove" Wire Feed Roller
High grip, stable and non-slip



Product No.	Specification	Welding Wire
MV970900105	Ø37*Ø10*V0.8/1.0	0.8 / 1.0mm
MV970900106	Ø37*Ø10*V1.2/1.6	1.2 / 1.6mm

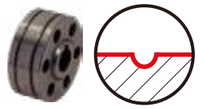
Red Steel Wire Feeding Tube



Item	Product No.	Specification
Red Steel Wire Feeding Tube	MW010402138	1.6mm*3M
	MW010402139	1.6mm*5M

Aluminum Alloy / Copper

Select "U-Groove" Wire Feed Roller
Prevents deformation, gentle guiding



Product No.	Specification	Welding Wire
MV970900107	Ø37*Ø10*U0.8/1.0	0.8 / 1.0mm
MV970900108	Ø37*Ø10*U1.2/1.6	1.2 / 1.6mm

Graphite Wire Feeding Tube



Item	Product No.	Specification
Graphite Wire Feeding Tube	MW010402136	1.6mm*5M
	MW010402137	2.0mm*5M

60mm / 100mm options for different welding depths.



Applicable Welding Operations / Description	Item / Specification	Product No.
Standard operations, flexible and versatile, suitable for over 90% of welding operations.	Wire Guide Tube 60mm	MW010402306
Specialized for deep holes, narrow gaps, and other restricted spaces, improving operational precision.	Wire Guide Tube 100mm	MW010402307

Select a matching contact tip based on the welding wire diameter.



Item / Specification	Product No.
contact tip / 0.8mm	MW010403324
contact tip / 1.0mm	MW010403325
contact tip / 1.2mm	MW010403326
contact tip/ 1.6mm	MW010403327

Original Parts Supply: Stable, Precise, and Efficient

Original HPT parts are the best investment for stability. Delivering 100% compatibility, they ensure consistent quality and extend core laser lifespan.

Parts Purchasing & Technical Consultation

Welcome to email us. Our specialists will help match the most suitable welding configuration for you.

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Email us for parts and accessories inquiries.

HPT
HeroPowerTech

Handheld Laser Welder
Water-Cooled Handheld Laser Welder

HW2000

"2000W CE Certified 4-in-1"



Application

General Industry：Sheet metal cabinets / kitchen & bath / construction / hardware tools
Precision Technology：Electronics / medical / molds / new energy
Heavy Transpor：Automotive / aerospace / rail equipment

Features

Core Brand：Raycus laser + RelFar torch + S&A-temp chiller for high output, long-term stability, and industrial reliability.
4-in-1 Function：Welding / Cutting / Cleaning / Rust Removal—fast switching for flexible, efficient production.
High-Precision Welding：Small heat-affected zone, smooth welds, reducing grinding and post-processing.
Multi-Material：Stainless steel, carbon steel, aluminum; stable welding from thin to medium-thick plates.
Smart Wire Feeding：Single or dual wire ensures uniform, strong welds.
Energy-Saving & Safe： Low power consumption, touch operation, multiple protections for reliable performance.

Specification

System & Power	Rated Input Voltage	220V 1Φ, 50/60Hz	Welding Performance	Torch Brand	RelFar
	Rated Input Power	16kW		Wobble Scan Type	Dual Oscillating Welding Head
	Max Power Consumption	< 8.5kW		Wobble Type	— ○ ∞ ⧖ ◎ △
	Control System	RelFar System		Energy Storage Welding Mode	-
	Functional Mode	Welding / Cutting / Cleaning / Rust Removal		Wobble Length / Width	0~5mm
	Control Interface	7-inch Touch Screen		Cable Length	10M
Laser Performance	Laser Source Brand	Raycus		Torch Weight	≤ 1.0kg
	Fiber Connector	QBH	Wire Feeding	Wire Feeder	Single / Dual (optional)
	Rated Laser Output Power	2000W ±50		Wire Diameter	0.8/1.0/1.2/1.6mm
	Output Laser Wavelength	1080 ±5nm	Cooling	Chiller Brand	S&A
	Operation Mode	Continuous / Pulse / Spot		Cooling Method	Dual-temp dual-control water cooling
	Safety Certification	CE		Assist Gas	Argon / Nitrogen
	Laser Safety Class	Class 4		Gas Input Pressure	≤1.0MPa

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HPT
HeroPowerTech
Water-Cooled Handheld Laser Welder

Handheld Laser Welder
HW2000 Accessories

Choose HPT,
Not Just for Equipment | But for Peace-of-Mind Service

1. Global Remote Support | Rapid Response, Reduced Downtime
   Reach our support team via email anytime. We respond swiftly to minimize downtime risks.
2. Professional Technical Support | Parameter optimization for a quick start
   Welding tests and parameter tuning ensure fast, optimal performance.
3. Original Parts Supply | Ample inventory for a worry-free supply
   Ready stock of original parts ensures uninterrupted production.
4. Full Warranty | Reliable Care, Peace of Mind
   Fast technical support and troubleshooting minimize your downtime.

Ready to Use • Full Standard Kit

Delivering Productivity, Not Just Equipment
Full kit included for instant production.

Core Precision Consumables

	Item	Qty	Product No.
Nozzle Kit	Nozzle FAS-08	1 PCS	MW010403331
	Nozzle FAS-10	1 PCS	MW010403332
	Nozzle FAS-12	1 PCS	MW010403333
	Nozzle FAS-16	1 PCS	MW010403334
	Nozzle FC-20	1 PCS	MW010403337
	Nozzle FS-01	1 PCS	MW010403336
	Scale Tube	1 PCS	
	Wire Guide Tube	1 PCS	MW010402308
	Contact Tip 0.8mm	1 PCS	MW010403338
	Contact Tip 1.0mm	1 PCS	MW010403339
	Contact Tip 1.2mm	1 PCS	MW010403340
	Contact Tip 1.6mm	1 PCS	MW010403341
Cleaning	Weld Seam Cleaning Nozzle F150	1 PCS	MW010402140
	Cleaning Assembly	1 SET	MW010402141
Lens	Protective Lens	5 PCS	MW010403220
	Focusing Lens (Welding)	1 PCS	MW010403208
	Focusing Lens (Cleaning)	1 PCS	MW010403209
	Reflective Mirror	1 PCS	MW010403211
	Collimating Lens	1 PCS	MW010403210
Wire Feed	Wire Feed Roller V0.8/V1.0	2 PCS	MV970900105
	Wire Feed RollerV1.2/V1.6	2 PCS	MV970900106

Laser Safety Gear

Item	Qty	Product No.
OD8+ Laser Safety Glasses	1 PCS	MW010600108
Protective Gloves	1 Pair	

Cables & Hoses

- 3M Wire Feeder Power Cable
- 5M Wire Feeder Signal Cable
- 5M Wire Feed Tube (MW010402144)
- 4M Gas Hose
- 10M Safety Loop Cable

Cleaning and Maintenance Kit

- Torch Dust Cover
- QBH Dust Cover
- Torch Stand
- Torch Assembly Cable Bracket
- Cotton Swabs
- Thread Seal Tape
- Hex Key Wrench Set

In-Stock Standardized Parts,
Delivered Fast & Reliably.

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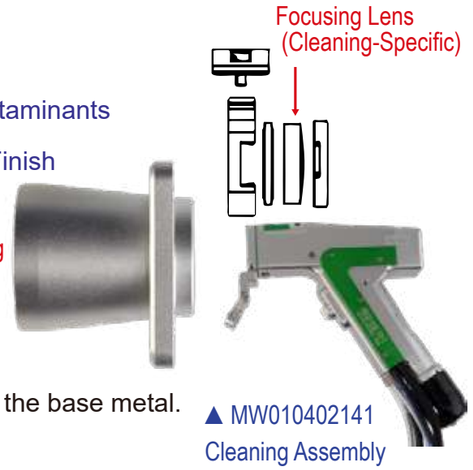
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Surface Cleaning (Rust Removal)



Instantly Remove Rust & Contaminants

Restore Metal to Its Original Finish



▲ MW010402141
Cleaning Assembly
(Cleaning Air Ring + Cleaning-Specific Focusing Lens)

- Non-Destructive Cleaning
  Quickly removes rust, oil, and paint without damaging the base metal.
- Ultra-Wide Scan Field
  Up to 100mm scan width for efficient cleaning of large workpieces.
- Rapid Module Switching
  Quick lens and air ring replacement with one-click cleaning mode activation.

Weld Bead Cleaning

Non-Destructive Oxide Layer Removal

Perfectly Enhancing Weld Bead Craftsmanship





▲ MW010402140 weld Seam cleaning nozzle(F150)

- Precision Cleaning
  Removes oxide layers and burn marks without damaging the base metal, ensuring smooth welds.
- 12mm Coverage
  Cleans up to 12mm wide, safely covering most conventional joint areas.
- Fast Switching
  Simply swap nozzles and change settings on the interface to start cleaning instantly.

HW2000-5 Five-in-One

Exclusive Energy Storage Welding Mode

- Low Heat Input : Smaller Heat-Affected Zone
- Low Deformation : Ideal for Thin Plates

Welcome to Compare and Purchase

Scan/Click to watch YouTube
Energy-Storage Welding Demo Video

HPT
HeroPowerTech Water-Cooled Handheld Laser Welder
Handheld Laser Welder
HW2000 Accessories

Class 4 Laser Safety Warning

This is a high-power Class 4 laser device. Direct or indirect exposure causes skin burns and permanent vision loss. To ensure safety, always wear HPT-OD8+ laser safety glasses complying with EN 207:2017 (OD8+, 900-1100 nm) during operation.

Scan/Click to watch YouTube
Laser Safety & Operation Video



▶ MW010600108 OD8+ Laser Safety Glasses

Laser Power Source

Raycus Fiber Laser：A global leader in fiber lasers, featuring over 35% electro-optical conversion efficiency to lower energy consumption. Its advanced anti-reflection mechanism protects the laser core, ensuring stable output when processing highly reflective materials like aluminum and brass, extending module lifespan, and reducing maintenance risks.



▲ ZA010000010
1500W Laser Power Source

Laser Welding Torch and Accessories Structure Diagram

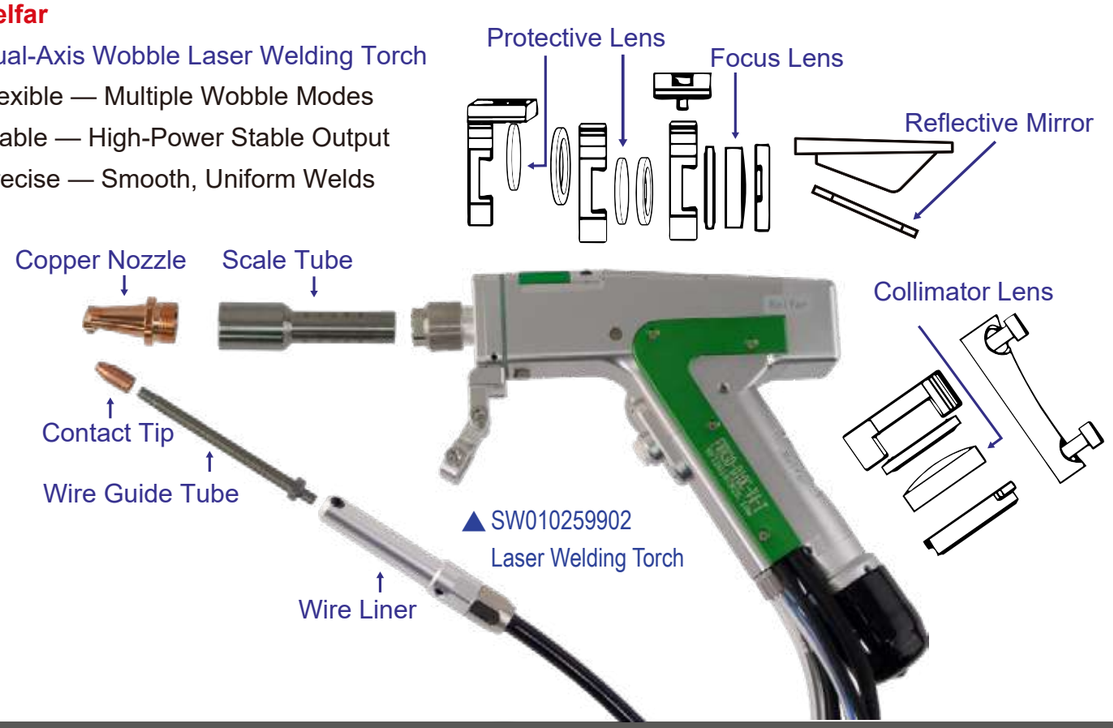
Relfar

Dual-Axis Wobble Laser Welding Torch

Flexible — Multiple Wobble Modes

Stable — High-Power Stable Output

Precise — Smooth, Uniform Welds



▲ SW010259902
Laser Welding Torch

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Dedicated for Laser Welding Torches | Copper Nozzle

Precision nozzles ensure smooth gas flow and wire feeding. Use original forged red copper nozzles for a stable arc and beautiful welds, preventing defects from third-party specification errors.

Product No.	Item	Application	Wire Size
MW010403331	Copper Nozzle FAS-08	[Standard] Fillet Welding	0.8mm
MW010403332	Copper Nozzle FAS-10	[Standard] Fillet Welding	1.0mm
MW010403333	Copper Nozzle FAS-12	[Standard] Fillet Welding	1.2mm
MW010403334	Copper Nozzle FAS-16	[Standard] Fillet Welding	1.6mm
MW010403337	Copper Nozzle FC-20	[Standard] Dedicated Cutting Nozzle for Various Metal Plates	-
MW010403336	Copper Nozzle FS-01	[Standard] Lap/Butt welding, ensuring flat and beautiful welds	-
MW010403328	Copper Nozzle FCS-08	[Optional] Outside Corner Welding	0.8mm
MW010403301	Copper Nozzle FCS-10	[Optional] Outside Corner Welding	1.0mm
MW010403302	Copper Nozzle FCS-12	[Optional] Outside Corner Welding	1.2mm
MW010403329	Copper Nozzle FCS-16	[Optional] Outside Corner Welding	1.6mm
MW010403330	Copper Nozzle FCS-20	[Optional] Outside Corner Welding	2.0mm
MW010403335	Copper Nozzle FAS-20	[Optional] Fillet Welding	2.0mm

Dedicated for Laser Welding Torches | Lenses

Original laser lenses deliver precise focus and stable energy output with high damage resistance and thermal stability.

Specification Units: D=Diameter, T=Thickness, F=Focal Length / Unit: mm

Product No.	Item	Specs / Qty (Box)	Applications
MW010403220	Protective Lens	D25*T2 / 5PCS	Protection ： Blocks spatter and dust
MW010403208	Focusing Lens (Welding)	D20*F150 / 1PC	Deep Welding ： Focused Energy, Precise Welds
MW010403209	Focusing Lens (Cleaning)	D20*F1000 / 1PC	Wide Cleaning ： Wider coverage for efficient cleaning
MW010403211	Reflective Mirror	L27*W14*T2 / 1PC	Low Loss ： Dielectric coating minimizes energy loss
MW010403210	Collimating Lens	D16*F40 / 1PC	Beam Alignment — Consistent Accuracy

Premium Kit Available for Purchase

The professional accessory pack includes:

- Welding Copper Nozzles
  Internal corner nozzles (0.8mm–1.6mm) FAS-08, FAS-10, FAS-12, FAS-16
- Cutting Assembly Dedicated cutting nozzle (FC-20)
- Wire Feeding System
  Wire guide tube & contact tips(0.8mm–1.2mm)
- Core Protection Protective lenses (D25*T2) * 4 PCS



▲SJ010000138
Laser Welding Copper Nozzle Kit

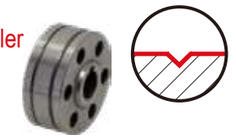
HPT HeroPowerTech Water-Cooled Handheld Laser Welder
Handheld Laser Welder
HW2000 Accessories

Wire Feeder Consumables

Welding Requirements

Stainless Steel / Carbon Steel

Select "V-Groove" Wire Feed Roller
High grip, stable and non-slip



Product No.	Specifications	Wire Size
MV970900105	Ø37*Ø10*V0.8/1.0	0.8 / 1.0mm
MV970900106	Ø37*Ø10*V1.2/1.6	1.2 / 1.6mm

Wire Liner

Product No.	Specifications
MW010402144	2.0mm*5M



Wire Guide Tube



Item	Product No.
Wire Guide Tube	MW010402308

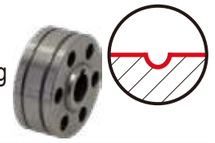
Contact Tips



Item / Specifications	Product No.
[Standard] Contact Tip 0.8mm	MW010403338
[Standard] Contact Tip 1.0mm	MW010403339
[Standard] Contact Tip 1.2mm	MW010403340
[Standard] Contact Tip 1.6mm	MW010403341
[Optional] Contact Tip 2.0mm	MW010403342

Aluminum Alloy / Copper

Select "U-Groove" Wire Feed Roller
Prevents deformation, gentle guiding



Product No.	Specifications	Wire Size
MV970900107	Ø37*Ø10*U0.8/1.0	0.8 / 1.0mm
MV970900108	Ø37*Ø10*U1.2/1.6	1.2 / 1.6mm

Graphite Wire Liner

Product No.	Specifications
MW010402145	1.6mm*5M



Original Parts & Full Technical Support

- **Genuine Parts**
  100% compatible HPT parts ensure stable operation and extend component life.
- **Expert Support**
  Local technical support helps optimize welding parameters and performance.
- **Rapid Maintenance**
  Provide your model, serial number, and issue for quick diagnosis and reduced downtime.
- **Contact Us**
  Our specialists help you choose the right welding configuration.

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HPT
HeroPowerTech

Handheld Laser Welder
Water-Cooled Handheld Laser Welder

HW2000-2

"2000W 4-in-1
Dual Wire × Dual Wobble"



Application

General Industry：Sheet metal cabinets / kitchen & bath / construction / hardware tools
Precision Technology：Electronics / medical / molds / new energy
Heavy Transpor：Automotive / aerospace / rail equipment

Features

Core Brand：Raycus laser + RelFar torch + S&A-temp chiller for high output, long-term stability, and industrial reliability.
4-in-1 Function：Welding / Cutting / Cleaning / Rust Removal—fast switching for flexible, efficient production.
Dual Wire Feeding：Higher Efficiency, Stronger Welds.
Multi-Material：Stainless steel, carbon steel, aluminum; stable welding from thin to medium-thick plates.
Smart Wire Feeding：Single or dual wire ensures uniform, strong welds.
Energy-Saving & Safe：Low power consumption, touch operation, multiple protections for reliable performance.

Specification

System & Power	Rated Input Voltage	220V 1Φ, 50/60Hz	Welding Performance	Torch Brand	RelFar
	Rated Input Power	16kW		Wobble Scan Type	Dual Oscillating Welding Head
	Max Power Consumption	< 8.5kW		Wobble Type	— ○ ∞ ⧖ ◎ △
	Control System	RelFar System		Energy Storage Welding Mode	-
	Functional Mode	Welding / Cutting / Cleaning / Rust Removal		Wobble Length / Width	0~5mm
	Control Interface	7-inch Touch Screen		Cable Length	10M
Laser Performance	Laser Source Brand	Raycus		Torch Weight	≤ 1.0kg
	Fiber Connector	QBH	Wire Feeding	Wire Feeder	Dual
	Rated Laser Output Power	2000W ±50		Wire Diameter	0.8/1.0/1.2/1.6mm
	Output Laser Wavelength	1080 ±5nm	Cooling	Chiller Brand	S&A
	Operation Mode	Continuous / Pulse / Spot		Cooling Method	Dual-temp dual-control water cooling
	Safety Certification	CE		Assist Gas	Argon / Nitrogen
	Laser Safety Class	Class 4		Gas Input Pressure	≤ 1.0MPa

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NO.8, WU-KUNG 5 RD., NEW TAIPEI INDUSTRIAL PARK TAIPEI 242 TAIWAN

HPT
HeroPowerTech
Water-Cooled Handheld Laser Welder

Handheld Laser Welder
HW2000-2 Accessories

Choose HPT,
Not Just for Equipment | But for Peace-of-Mind Service

1. Global Remote Support | Rapid Response, Reduced Downtime
   Reach our support team via email anytime. We respond swiftly to minimize downtime risks.
2. Professional Technical Support | Parameter optimization for a quick start
   Welding tests and parameter tuning ensure fast, optimal performance.
3. Original Parts Supply | Ample inventory for a worry-free supply
   Ready stock of original parts ensures uninterrupted production.
4. Full Warranty | Reliable Care, Peace of Mind
   Fast technical support and troubleshooting minimize your downtime.

Ready to Use • Full Standard Kit

Delivering Productivity, Not Just Equipment
Full kit included for instant production.

Core Precision Consumables

	Item	Qty	Product No.
Nozzle Kit	Nozzle FAS-12	1 PCS	MW010403329
	Nozzle FAS-16	1 PCS	MW010403330
	Nozzle FA-20	1 PCS	MW010403337
	Nozzle DBS-16	1 PCS	MW010403347
	Nozzle DBS-20	1 PCS	MW010403353
	Nozzle FS-01	1 PCS	MW010403336
	Scale Tube F200	1 PCS	MW010402147
	Wire Guide Tube	1 PCS	MW010402308
	Single-Wire Nozzle 0.8mm	1 PCS	MW010403338
	Single-Wire Nozzle 1.0mm	1 PCS	MW010403339
	Single-Wire Nozzle 1.2mm	1 PCS	MW010403340
	Single-Wire Nozzle 1.6mm	1 PCS	MW010403341
	Dual-Wire Nozzle 1.6mm	1 PCS	MW010403348
	Dual-Wire Nozzle 2.0mm	1 PCS	MW010403355
	Single Wire Feeder Bracket	1 PCS	
Cleaning	Weld Seam Cleaning Nozzle F200	1 PCS	MW010402149
	Cleaning Assembly	1 SET	MW010402141
Lens	Protective Lens	4 PCS	MW010403220
Wire Feed	Wire Feed Roller V1.2 / 1.6	4 PCS	MV970900118
	Wire Feed Roller V2.0 / 2.0	4 PCS	MV970900117
	Wire Feed Roller V0.8 /1.0	2 PCS	MV970900119

Laser Safety Gear

- OD8+ Laser Safety Glasses (MW010600108)
- Protective Gloves

Cables & Hoses

- 3M Wire Feeder Power Cable
- 5M Wire Feeder Signal Cable
- 5M Single Wire Feed Tube (MW010402144)
- 5M Dual Wire Feed Tube (MW010402156)
- 4M Gas Hose
- 10M Safety Loop Cable

Cleaning and Maintenance Kit

- Torch Dust Cove
- QBH Dust Cover
- Torch Stand
- Torch Assembly Cable Bracket
- Hex Key Wrench Set
- Cotton Swabs

**In-Stock Standardized Parts,
Delivered Fast & Reliably.**

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HPT
HeroPowerTech

Handheld Laser Welder
Water-Cooled Handheld Laser Welder

HW2000-5

"2000W CE Certified 5-in-1"



Application

General Industry：Sheet metal cabinets / kitchen & bath / construction / hardware tools
Precision Technology：Electronics / medical / molds / new energy
Heavy Transpor：Automotive / aerospace / rail equipment

Features

Core Brand：Raycus laser + RelFar torch + S&A-temp chiller for high output, long-term stability, and industrial reliability.
5-in-1 Function：Welding / Cutting / Cleaning / Rust Removal / Energy Storage Welding—fast switching for flexible, efficient production.
High-Precision Welding：Small heat-affected zone, smooth welds, reducing grinding and post-processing.
Multi-Material：Stainless steel, carbon steel, aluminum; stable welding from thin to medium-thick plates.
Smart Wire Feeding：Single or dual wire ensures uniform, strong welds.
Energy-Saving & Safe： Low power consumption, touch operation, multiple protections for reliable performance.

Specification

System & Power	Rated Input Voltage	220V 1Φ, 50/60Hz	Welding Performance	Torch Brand	RelFar
	Rated Input Power	16kW		Wobble Scan Type	Dual Oscillating Welding Head
	Max Power Consumption	< 6.0kW		Wobble Type	— ○ ∞ ⧖ ◎ △
	Control System	RelFar System		Energy Storage Welding Mode	√
	Functional Mode	Welding / Cutting / Cleaning / Rust Removal / Energy Storage Welding		Wobble Length / Width	0~5mm
	Control Interface	7-inch Touch Screen		Cable Length	10M
Laser Performance	Laser Source Brand	Raycus		Torch Weight	≤ 1.0kg
	Fiber Connector	QBH	Wire Feeding	Wire Feeder	Single / Dual (optional)
	Rated Laser Output Power	2000W ±50		Wire Diameter	0.8/1.0/1.2/1.6mm
	Output Laser Wavelength	1080 ±5nm	Cooling	Chiller Brand	S&A
	Operation Mode	Continuous / Pulse / Spot		Cooling Method	Dual-temp dual-control water cooling
	Safety Certification	CE		Assist Gas	Argon / Nitrogen
	Laser Safety Class	Class 4		Gas Input Pressure	≤ 1.0MPa

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HW2000-5 Accessories

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Ready to Use • Full Standard Kit

Delivering Productivity, Not Just Equipment
Full kit included for instant production.

Core Precision Consumables

	Item	Qty	Product No.
Nozzle Kit	Nozzle FAS-08	1 PCS	MW010403331
	Nozzle FAS-10	1 PCS	MW010403332
	Nozzle FAS-12	1 PCS	MW010403333
	Nozzle FAS-16	1 PCS	MW010403334
	Nozzle FC-20	1 PCS	MW010403337
	Nozzle FS-01	1 PCS	MW010403336
	Scale Tube	1 PCS	
	Wire Guide Tube	1 PCS	MW010402308
	Contact Tip 0.8mm	1 PCS	MW010403338
	Contact Tip 1.0mm	1 PCS	MW010403339
	Contact Tip 1.2mm	1 PCS	MW010403340
	Contact Tip 1.6mm	1 PCS	MW010403341
Cleaning	Weld Seam Cleaning Nozzle F150	1 PCS	MW010402140
	Cleaning Assembly	1 SET	MW010402141
Lens	Protective Lens	4 PCS	MW010403220
	Focusing Lens (Welding)	1 PCS	MW010403208
	Focusing Lens (Cleaning)	1 PCS	MW010403209
	Reflective Mirror	1 PCS	MW010403211
	Collimating Lens	1 PCS	MW010403210
Wire Feed	Wire Feed Roller V0.8/V1.0	2 PCS	MV970900105
	Wire Feed Roller V1.2/V1.6	2 PCS	MV970900106

Laser Safety Gear

Item	Qty	Product No.
OD8+ Laser Safety Glasses	1 PCS	MW010600108
Protective Gloves	1 Pair	

Energy Storage Welding Nozzle

Item	Product No.
Energy Storage Welding Nozzle Tube	
Energy Storage Welding Nozzle - Square	MW010403303
Energy Storage Welding Nozzle - Round	MW010403304

Cables & Hoses

- 3M Wire Feeder Power Cable
- 5M Wire Feeder Signal Cable
- 5M Wire Feed Tube (MW010402144)
- 4M Gas Hose
- 10M Safety Loop Cable

Cleaning and Maintenance Kit

- Torch Dust Cover / QBH Dust Cover
- Torch Stand
- Torch Assembly Cable Bracket
- Cotton Swabs / Thread Seal Tape
- Hex Key Wrench Set

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Evolution of the 5-in-1 Laser System

Energy Storage Welding Mode

Scan/Click to watch YouTube
Energy-Storage Welding Demo Video

- Low Heat, High Efficiency
  Low average power and peak output minimize heat buildup, deformation, and discoloration—ideal for thin plates and aesthetic parts.
- Diverse Scanning, Precise Heat Control
  8 built-in scan patterns and 4 variable linear modes provide flexible heat control for stable, high-quality welds.
- Quick-Switch Design, Easy Operation
  Simply replace the Energy Storage Nozzle Assembly to switch to welding mode for flexible, efficient multi-tasking.



▶ Energy Storage Welding Nozzle Assembly

Product No.	Item
MW010403303	Energy Storage Welding Nozzle - Square
MW010403304	Energy Storage Welding Nozzle - Round

Surface Cleaning (Rust Removal)

- Non-Destructive Cleaning
  Quickly removes rust, oil, and coatings while preserving the original metal surface.
- Ultra-Wide Scan
  Up to 100mm scan width for efficient cleaning of large workpieces.
- Quick-Switch Design
  Swap the cleaning lens and air ring, then activate cleaning mode with one click.



▲ MW010402141 Cleaning Assembly (Cleaning Air Ring + Cleaning-Specific Focusing Lens)

Weld Bead Cleaning

- Precision Weld Cleaning
  High-frequency laser pulses remove weld oxides and discoloration up to 12mm wide without damaging the base metal. Simply swap the dedicated nozzle and switch modes for instant cleaning.



▲ MW010402140
weld Seam cleaning nozzle(F150)

HPT HeroPowerTech Water-Cooled Handheld Laser Welder
Handheld Laser Welder
HW2000-5 Accessories

Class 4 Laser Safety Warning

This is a high-power Class 4 laser device. Direct or indirect exposure causes skin burns and permanent vision loss. To ensure safety, always wear HPT-OD8+ laser safety glasses complying with EN 207:2017 (OD8+, 900-1100 nm) during operation.

Scan/Click to watch YouTube
Laser Safety & Operation Video



▶ MW010600108 OD8+ Laser Safety Glasses

Laser Power Source

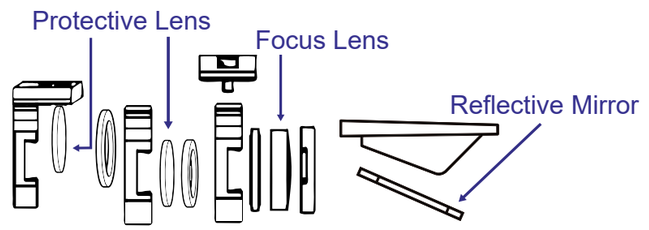
Raycus Fiber Laser：A global leader in fiber lasers, featuring over 35% electro-optical conversion efficiency to lower energy consumption. Its advanced anti-reflection mechanism protects the laser core, ensuring stable output when processing highly reflective materials like aluminum and brass, extending module lifespan, and reducing maintenance risks.

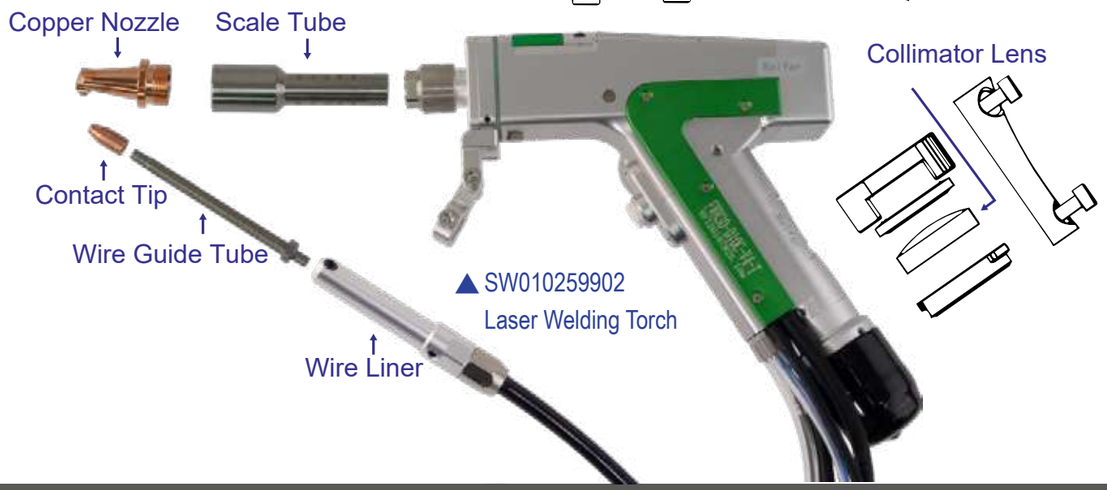


▲ ZA010000010
1500W Laser Power Source

Laser Welding Torch and Accessories Structure Diagram

【**Relfar**】
Dual-Axis Wobble Laser Welding Torch
Flexible — Multiple Wobble Modes
Stable — High-Power Stable Output
Precise — Smooth, Uniform Welds





▲ SW010259902
Laser Welding Torch

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Dedicated for Laser Welding Torches | Copper Nozzle

Precision nozzles ensure smooth gas flow and wire feeding. Use original forged red copper nozzles for a stable arc and beautiful welds, preventing defects from third-party specification errors.

Product No.	Item	Application	Wire Size
MW010403331	Copper Nozzle FAS-08	[Standard] Fillet Welding	0.8mm
MW010403332	Copper Nozzle FAS-10	[Standard] Fillet Welding	1.0mm
MW010403333	Copper Nozzle FAS-12	[Standard] Fillet Welding	1.2mm
MW010403334	Copper Nozzle FAS-16	[Standard] Fillet Welding	1.6mm
MW010403337	Copper Nozzle FC-20	[Standard] Dedicated Cutting Nozzle for Various Metal Plates	-
MW010403336	Copper Nozzle FS-01	[Standard] Lap/Butt welding, ensuring flat and beautiful welds	-
MW010403328	Copper Nozzle FCS-08	[Optional] Outside Corner Welding	0.8mm
MW010403301	Copper Nozzle FCS-10	[Optional] Outside Corner Welding	1.0mm
MW010403302	Copper Nozzle FCS-12	[Optional] Outside Corner Welding	1.2mm
MW010403329	Copper Nozzle FCS-16	[Optional] Outside Corner Welding	1.6mm
MW010403330	Copper Nozzle FCS-20	[Optional] Outside Corner Welding	2.0mm
MW010403335	Copper Nozzle FAS-20	[Optional] Fillet Welding	2.0mm

Dedicated for Laser Welding Torches | Lenses

Original laser lenses deliver precise focus and stable energy output with high damage resistance and thermal stability.

Specification Units: D=Diameter, T=Thickness, F=Focal Length / Unit: mm

Product No.	Item	Specs / Qty (Box)	Applications
MW010403220	Protective Lens	D25*T2 / 5PCS	Protection ： Blocks spatter and dust
MW010403208	Focusing Lens (Welding)	D20*F150 / 1PC	Deep Welding ： Focused Energy, Precise Welds
MW010403209	Focusing Lens (Cleaning)	D20*F1000 / 1PC	Wide Cleaning ： Wider coverage for efficient cleaning
MW010403211	Reflective Mirror	L27*W14*T2 / 1PC	Low Loss ： Dielectric coating minimizes energy loss
MW010403210	Collimating Lens	D16*F40 / 1PC	Beam Alignment — Consistent Accuracy

Premium Kit Available for Purchase

The professional accessory pack includes:

- Welding Copper Nozzles
  Internal corner nozzles (0.8mm–1.6mm) FAS-08, FAS-10, FAS-12, FAS-16
- Cutting Assembly Dedicated cutting nozzle (FC-20)
- Wire Feeding System
  Wire guide tube & contact tips(0.8mm–1.2mm)
- Core Protection Protective lenses (D25*T2) * 4 PCS



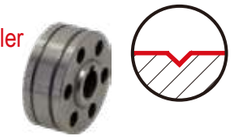
▲SJ010000138
Laser Welding Copper Nozzle Kit

HPT HeroPowerTech Water-Cooled Handheld Laser Welder
Handheld Laser Welder
HW2000-5 Accessories

Wire Feeder Consumables

Welding Requirements

- Stainless Steel / Carbon Steel
  Select "V-Groove" Wire Feed Roller
  High grip, stable and non-slip



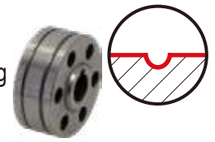
Product No.	Specifications	Wire Size
MV970900105	Ø37*Ø10*V0.8/1.0	0.8 / 1.0mm
MV970900106	Ø37*Ø10*V1.2/1.6	1.2 / 1.6mm

Wire Liner

Product No.	Specifications
MW010402144	2.0mm*5M



- Aluminum Alloy / Copper
  Select "U-Groove" Wire Feed Roller
  Prevents deformation, gentle guiding



Product No.	Specifications	Wire Size
MV970900107	Ø37*Ø10*U0.8/1.0	0.8 / 1.0mm
MV970900108	Ø37*Ø10*U1.2/1.6	1.2 / 1.6mm

Graphite Wire Liner

Product No.	Specifications
MW010402145	1.6mm*5M



Wire Guide Tube



Item	Product No.
Wire Guide Tube	MW010402308

Contact Tips



Item / Specifications	Product No.
[Standard] Contact Tip 0.8mm	MW010403338
[Standard] Contact Tip 1.0mm	MW010403339
[Standard] Contact Tip 1.2mm	MW010403340
[Standard] Contact Tip 1.6mm	MW010403341
[Optional] Contact Tip 2.0mm	MW010403342

Original Parts & Full Technical Support

- **Genuine Parts**
  100% compatible HPT parts ensure stable operation and extend component life.
- **Expert Support**
  Local technical support helps optimize welding parameters and performance.
- **Rapid Maintenance**
  Provide your model, serial number, and issue for quick diagnosis and reduced downtime.
- **Contact Us**
  Our specialists help you choose the right welding configuration.

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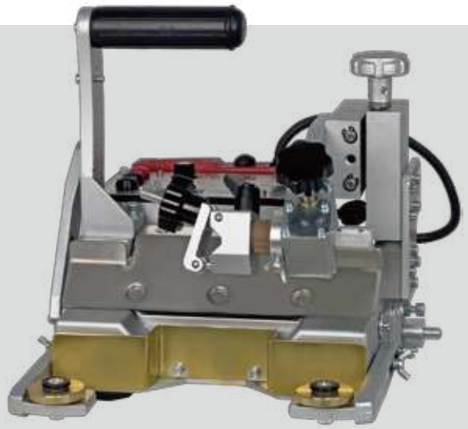
HC-5

Brushless DC Motor with PWM and Encoder for Precise Control
Low-voltage DC Power Supply – No Risk of Electric Leakage or Safety Hazards
Durable Lithium Battery – Cordless and Portable for Use Anywhere

Application

Shipbuilding industry、Bridge-building industry
Petroleum industry、Structural steel fabrication
Automotive / Transportation equipment

Features



High-performance magnetic increases the reliability of profiling welding and also ensure a smooth operation.

It has limit stop function and one worker can operate multiple units at the same time.

It is satisfied special process work-pieces, the welding distance and non-welding distance can be adjusted.

This carriage has a magnetic adsorption clutch handle and it is easy to adjust and install.

Fitted with rail, it can complete the flat butt weaving welding.

Specification

Input Voltage	24V / 3AH Lithium Battery
Drive Mode	Four Wheel Drive
Traction Power	25kg
Travel Speed	35~930(mm/min)
Travel Distance	Welding Distance 0~999mm、Non Welding Distance 0~999mm
Arc Suppression Time	0~2.5s
Track Method	Guide Wheel
Guide Wheel Height	3 Options (10、20、38mm)
Torch	Bend Torch / Straight Torch
Torch Position Adjustment	Horizontal Angle 40°~55°、Up / Down & Left / Right Movement 40mm
Unweldable Distance	Front 137mm、Rear 137mm
Automatic Stop Function	Front and rear limit devices
Dimensions (W*D*H)	260*280*265mm
Weight	8.6kg



▲Intermittent welding

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MIG/MAG
INVERTER DC CARRIAGE

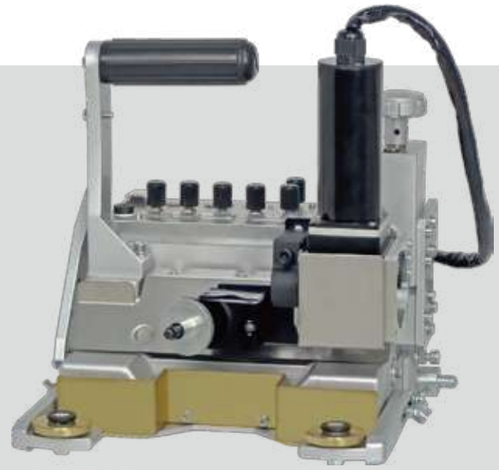
HC5- 1K

Brushless DC Motor with PWM and Encoder for Precise Control
Low-voltage DC Power Supply – No Risk of Electric Leakage or Safety Hazards
Durable Lithium Battery – Cordless and Portable for Use Anywhere

Application

Shipbuilding industry、Bridge-building industry
Petroleum industry、Structural steel fabrication
Automotive / Transportation equipment

Features



The whole body is made of aluminum alloy, which is solid and durable,lightweight, and easy to carry.

This carriage has a magnetic adsorption clutch handle and it is easy to adjust and install.

This carriage is equipped with an oscillator part and the oscillator is driven by a brush-less motor with high precision and long using life.

With welding torch arc suppression function, arc suppression time adjustment range is 0~2.5 seconds.

By means of magnet adsorption and the guide wheel profiling walking,it meets ordinary Flat Fillet Welding and Thick Plate Groove Multi-pass Welding.

Fitted with rail and hook wheels, it can complete the Flat Butt Weaving Welding.

Specification

Input Voltage	24V / 4AH Lithium Battery
Weaving Motor Voltage	DC 24V
Drive Mode	Four Wheel Drive
Traction Power	25kg
Travel Speed	35~930(mm/min)
Weaving Parameters	Weaving Speed 0~40 cpm Weaving Angle ±8° Left / Right Dwell Time 0~2.5s
Weaving Mode	
Track Method	Guide Wheel
Guide Wheel Height	3 Options (10、20、38mm)
Torch	Bend Torch / Straight Torch
Torch Position Adjustment	Horizontal Angle 40°~55°、Up/Down & Left/Right Movement 40mm
Unweldable Distance	Front 137mm、Rear 137mm
Automatic Stop Function	Front and rear limit devices
Dimension (W*D*H)	280*285*290mm
Weight	12kg(Include Oscillator)



▲Flat Corner Welding



▲Corner Plate Joint Welding

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MIG/MAG

INVERTER DC CARRIAGE

HC5- 6

Brushless DC Motor with PWM and Encoder for Precise Control

Low-voltage DC Power Supply – No Risk of Electric Leakage or Safety Hazards

Durable Lithium Battery – Cordless and Portable for Use Anywhere

Application

Shipbuilding industry、Bridge-building industry

Petroleum industry、Structural steel fabrication

Automotive / Transportation equipment

Features

It is widely used in Flat Fillet Welding, Vertical Fillet Welding,Flat Butt Joint, Horizontal Butt Joint, Vertical Butt Joint and Overhead Welding.

With the travel angle adjustment function, this carriage is able to meet The Requirements of Build Up Welding or Drawing Welding.

There is no clearance in the transmission of the oscillator , it ensures the accuracy of the torch weaving .

This carriage has a magnetic adsorption clutch handle and it is easy to adjust and install.

High-performance magnetic increases the reliability of profiling welding and also ensure a smooth operation.

Fitted with soft rail or hard rail it can complete the vertical walking, side suction horizontal walking, curved walking and Flat Butt Welding.



Specification

Input Voltage	24V / 4AH Lithium Battery
Drive Mode	Four Wheel Drive
Traction Power	32kg
Travel Speed	35~930(mm/min)
Tracking Method	Guide Wheel / Guide Rail
Torch	Bend Torch or Straight Torch
Torch Position Adjustment	Rotate around the X axis ±45° Rotate around the Y axis ±30° Lateral movement 20mm Vertical movement 20mm
Weaving Parameters	Weaving Angle 0~±8° Max Weaving Speed 0~40 cpm Left / Right Resistance Time 0~2.5s
Unweldable Distance	Front 150mm、Rear 146mm
Dimension (W*D*H)	195*314*242mm
Weight	12kg



▲3-Meter Diameter Arc / Flat Panel Horizontal Alignment Welding



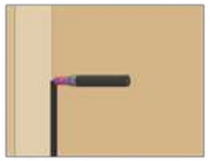
▲Angle Welding



▲Flat Butt Welding



▲Side Suction Welding



▲Corner Welding



▲Vertical Butt Welding

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倍利源 Braver Power

Features

- Small size and lightweight
- High presicion
- Soft-start design
- Quick response
- High energy efficiency
- Forced air cooling
- Low ripple current
- Intelligent control
- Can be connected to RS485/PLC

Functions

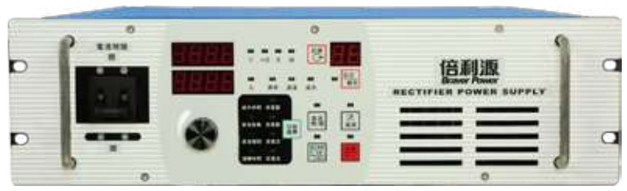
- Abnormal light display
- Over temperature & current display
- High/low voltage and current display
- 99 groups of programs for job selection
- C.C & C.V design
- AUTO mode

Applications

- Applications
- Precious metals materials electroplating
- Terminal continuous electroplating
- Passive element electroplating
- Printed circuit board
- Metals Coating
- Laboratory power supply

Custom designs available

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Digital Pulse ABD

Standrad	10V	5A~400A
	20V	5A~200A
	30V	5A~100A
	40V	5A~100A
Customization	10V	300A~2400A
	20V	200A~1600A

Rated input voltage	220V , 1/3Φ 380V/440V,3Φ
Input frequency	47~63HZ
Output voltage noise and ripple	<0.1%
Output current ripple	<1%
Line regulation rate	0.1% of maximum output voltage/current
Load regulation rate	0.1% of maximum output voltage/current
Meter accuracy	±(1% +1 digit) of maximum output voltage / current
Analog program setting accuracy	0.1% of maximum output voltage/current

Standard chassis sizes available, also customizable upon request.

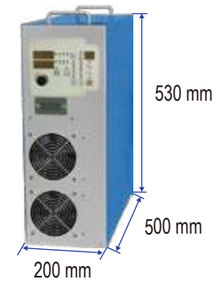
1 3U Cabinet



2 3U+High



3 Upright



倍利源
Braver Power

Features

- Small size and lightweight
- Soft-start design
- High presicion
- Intelligent control
- Quick response
- High energy efficiency
- Forced air cooling
- Low ripple current
- 2 sets of AB surface current can be set in conjunction
- Can be connected to RS422/RS485/PLC

Functions

- Abnormal light display
- Over temperature & current display
- High/low voltage and current display
- Multi-pulse mode function
- Ampere-hour calculation (automatic addition of potions)
- 99 groups of programs for job selection
- C.C & C.V design
- Independent current signal output

Applications

- Applications
- Precious metals materials electroplating
- Terminal continuous electroplating
- Passive element electroplating
- Printed circuit board
- Metals Coating
- Laboratory power supply

Custom designs available



Digital Forward Pulse ABP

Standrad	10V	5A~400A
	20V	5A~200A
	30V	5A~100A
	40V	5A~100A
Customization	10V	300A~2400A
	20V	200A~1600A

Rated input voltage	220V , 1/3Φ 380V/440V,3Φ
Input frequency	47~63HZ
Output voltage noise and ripple	<0.1%
Output current ripple	<1%
Line regulation rate	0.1% of maximum output voltage/current
Load regulation rate	0.1% of maximum output voltage/current
Meter accuracy	±(1% +1 digit) of maximum output voltage / current
Analog program setting accuracy	0.1% of maximum output voltage/current

Standard chassis sizes available, also customizable upon request.

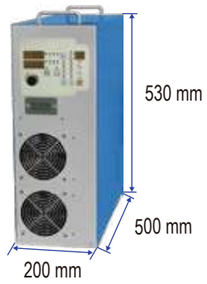
1 3U Cabinet



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TEL:+886-2-2298-3669 Email:sales@heropower.com.tw http://www.heropower.com.tw

倍利源
Braver Power

Features

- Small size and lightweight
- Intelligent automation control
- Soft-start design
- Programmable operation with 10-stage
- Change of output current and it is adjustable
- Inverter technology for energy-efficient
- Low ripple current
- Quick response
- High presicion
- Can be connected to Analog / RS422 / RS485 / PLC
- Suitable for multi-machine synchronous operation

Functions

- Abnormal light display
- Over temperature & current display
- High/low voltage and current display
- 99 groups of programs for job selection
- C.C & C.V design
- AUTO mode

Applications

- Precious metals materials electroplating
- Precision electroplating
- Terminal continuous electroplating
- Passive element electroplating
- Printed circuit board
- Metals Coating
- Laboratory power supply

Custom designs available



Digital Pulse-Reverse ABU

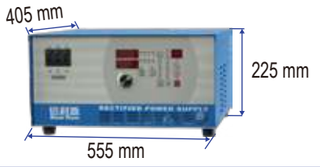
Rated input voltage	220V,1/3Φ; 380/440V,3Φ ±15%
Phase	3Φ
Frequency	47~63 HZ
Rated input power	8.75 KVA
Average rated input current	28 Aac (+15%,-10%)
Output voltage range	0~25 Vdc
Output current range	0~250 Adc
Positive current /time	250A / 1~200ms
Negative current /time	250A / 1~200ms
C.C control accuracy	±3.0%
Pulse mode switching	Forward pulse / High - Low pulse / Positive Double Pulse / Pulse-Reverse Bi-polar Double Pulse

Standard chassis sizes available, also customizable upon request.

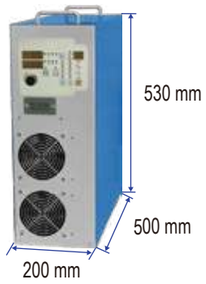
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Cross-Brand Compatible · Save Time, Effort, and Cost



Application

- Precious metals materials electroplating
- Precision electroplating
- Terminal continuous electroplating
- Passive element electroplating
- Printed circuit board
- Laboratory power supply

Features

- Small size and light weight
- Soft-Start Design
- High efficiency power supply
- Low ripple current
- High precision and Quick response
- Can be connected to RS-422/RS-485/PLC

Functions

- Pulse wave mode function
- C.C & C.V design
- 99 group memory mode
- Ampere-hour calculation
- Voltage & Current Abnormal Warning/Protection
- Overtemperature and overcurrent display

華豐科技企業股份有限公司

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