HERO POWER

倍利源 Braver Power

Welding Equipment / Rectifier Power / Other Power Supply

Since 1986 Innovation Customized Design Global Marketing

Precise • Reliable • Energy Saving

150~650A TIG/MIG Welding Equipment
1000~1300A Submerged Arc Welding
500A Plasma Machine Series
Exhaust gas treatment power supply
Pulse Rectifier
Forward Pulse Rectifier
Pulse-Reverse Rectifier
High Voltage Power Supply
ODM / OEM Power Supply

HERO POWER WebENG

LINE

HERO POWER TECHNOLOGY CORP.

華豐科技企業股份有限公司

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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 Welding Equipment

PDF Download Catalog

TIG (GTAW)

● New Model

Model / Current	100A ↓	200A	300A	400A	500A ↑
DC TIG		•DT-200 •DT-200P F-20P FT-200P BET-201 BET-202	•DT-300 •DT-300C •DT-301 BET-300 BFT-301 BET-302 **320A** FT-320 **360A** •DT-360E	•DT-400 •DT-400C •DT-401 •DT-401P •DT-400E FT-402	•DT-500 FT-500 FT-501 **1000A** DC-1300
AC/DC TIG			•AT-301 AFT-301 AFT-303 **350A** •AT-350 •AT-350R	•AT-400 AFT-400	•AT-500 AFT-500
PLASMA WELDING	**30A** •PT-30 **50A** PAW-50	PAW-200			•PT-500 PAW-500 PAW-501

MIG (GMAW)

Model / Current	200A	400A	500A	650A	1000A ↑
MIG	BCM-200 **250A** BCM-250EF	**350A** BEM-350 BEM-350II	BEM-500	BEM-650	
Digital MIG		•DM-400R •DM-400RS •DM-400RP	•DM-550R •DM-550RS •DM-500RP		
SUB ARC					•DM-1000 •DM-1300

Plasma Cutter

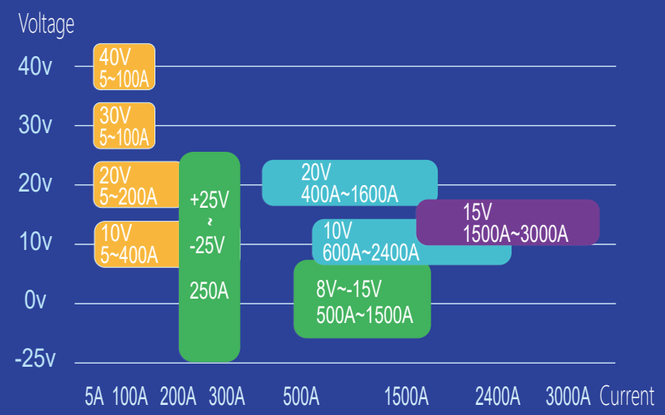
Model / Current	50A	60A	90A	100A	160A ↑
PLASMA CUTTER	•DP-50 BEP-50 SP-53	•DP-60 BEP-60	•DP-90 BEP-92 AP-90	BEP-120	BEP-160

Stick (SMAW)

Model / Current	300A	400A
MMA	•DS-300 BES-300	•DS-400 BES-400

倍利源 Braver Power RECTIFIER POWER

Customized Design available



- ABD Digital Pulse Rectifier
- ABP Digital Forward Pulse Rectifier
- ABU Digital Pulse-Reverse Rectifier
- ABDD ABD+HMI & PLC Paraliel connection
- ABDX High Current

ABD Digital Pulse Rectifier

ABP Digital Forward Pulse Rectifier

ABU Digital Pulse-Reverse Rectifier

Digital Automation Controller

•PC BASE

RS485-Modbus Communications
Windows operating software

•ALL welding machine
cold welding
continuous spot welding

F-20P

•Controller
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

•AT / DT 系列
cold welding
continuous spot welding
analog controlled pulse parameters

DT-400

DC TIG WELDING

F-20P

200A

110/220V, 1Φ

211*400*240mm
16kg

FT-200P

200A

220V, 1Φ

240*440*320mm
15.6kg

BET-202

200A

220V,1Φ

430*225*360
16kg

DT-301

300A

220V, 1/3Φ

280*550*428mm
26kg

DT-200

200A

110V,1Φ
220V,1/3Φ

195*450*280mm
11.8kg

DT-200P

200A

110V,1Φ
220V,1/3Φ

195*450*280mm
13kg

BET-201

200A

110/220V, 1Φ

175*388*240mm
12.5kg

BFT-301

300A

220V, 1/3Φ

235*545*375mm
27kg

BET-300

300A

220V, 1Φ

232*500*368mm
24kg

BET-302

300A

220V, 1/3Φ
380/415V, 3Φ

275*490*395mm
27kg

DC TIG WELDING

DT-360E

360A

220V, 1/3Φ
380/415V, 3Φ

306*607*495mm
38kg

DT-400

400A

220V, 1/3Φ
380/415V, 3Φ

300*730*570mm
43kg

FT-500

500A

220V, 1/3Φ
380/415V, 3Φ

410*510*620mm
62kg

FT-501

500A

380V, 3Φ

600*540*1120mm
77.8kg

FT-402

400A

220V, 1/3Φ
380/415V, 3Φ

410*510*620mm
54kg

DT-500

500A

220V, 1/3Φ
380/415V, 3Φ

300*730*570mm
56kg

DC-1300 DEEP TIG

1000A

380V, 3Φ

1050*595*820mm
160kg

DC TIG
INVERTER WELDING

HERO POWER

F-20P

Application

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

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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DC TIG
INVERTER WELDING

HERO POWER

FT-200P

Application

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

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	220 V ,1Φ	Pre flow time	Sec	-
		-	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	6.2			-
	KW	4.88			Low: 1
Rated output	V	TIG: 18	Pulse Ratio Width	%	50
		STICK: 25.2	Duty cycle	-	200A / 40%
	A	TIG: 200			126A / 100%
		STICK: 130	Water cooler control	-	-
Welding amperage range	A	TIG: 5~200	Clean	A	5~10
		STICK: 5~130	Gas check	-	-
Efficiency	%	74	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	240*400*320
Spot time	Sec	-	Net Weight	kg	15.6

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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 ,1/3Φ	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	AC Balance	-	-
		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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DC TIG
INVERTER WELDING

DT-200P

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 ,1/3Φ	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	AC Balance	-	-
		STICK: 5~130	Gas check	-	-
Efficiency	%	72	Crater control	-	Crater / Repeat
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	13

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BET-201

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	4.9			Low: 1
Rated output	V	TIG: 18	Pulse Ratio Width	%	50
		STICK: 25.6	Duty cycle	-	200A / 20%
	A	TIG: 200			90A / 100%
		STICK: 140	Water cooler control	-	-
Welding amperage range	A	TIG: 5~200	CLEAN	A	5~10
		STICK: 5~140	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	175*388*240
Spot time	Sec	-	Net Weight	kg	12.5

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DC TIG
INVERTER WELDING

BET-202

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
Excellent spot welding effect
pulse wave function
Can be matched with automated welding
Built-in adjustable arc properties
Support contact arc starting & automatic arc closing function

Specification

Input Power	V	-	Pre flow time	Sec	-
		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	6			-
	KW	4.73			Low: 1
Rated output	V	18	Pulse Ratio Width	%	50
			Duty cycle	-	200A / 40%
	A	200			126A / 100%
			Water cooler control	-	-
Welding amperage range	A	3~200	CLEAN	-	-
			Gas check	-	-
Efficiency	%	72	Crater control	-	Crater
Open-circuit voltage	V	100	Insulation class	-	H
Up slope	Sec	-	Protection class	-	IP21S
Down slope	Sec	0.1~5	Dimension (W*D*H)	mm	430*225*360
Spot time	Sec	-	Net Weight	kg	16

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DT-301

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	220 V ,1/3Φ	Pre flow time	Sec	0.2~5
		-	Post flow time	Sec	2~15
Input voltage range	%	±15%	Pulse current	A	10~500
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 14~500
Rated input capacity	KVA	9.73			-
	KW	8.68			Low: 0.7~27
Rated output	V	TIG: 22	Pulse Ratio Width	%	1~99
		STICK: 28	Duty cycle	-	300A / 60%
	A	TIG: 300			230A / 100%
		STICK: 190	Water cooler control	-	✓
Welding amperage range	A	TIG: 10~300	CLEAN	-	-
		STICK: 10~190	Gas check	-	✓
Efficiency	%	85	Crater control	-	Crater / Repeat
Open-circuit voltage	V	100±5	Insulation class	-	H
Up slope	Sec	0.2~10	Protection class	-	IP21S
Down slope	Sec	0.2~10	Dimension (W*D*H)	mm	280*550*428
Spot time	Sec	0.2~10	Net Weight	kg	26

DC TIG
INVERTER WELDING

HERO POWER

BFT-301

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
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
		-	Post flow time	Sec	2~15
Input voltage range	%	±15%	Pulse current	A	5~300
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	Pulse Ratio Width	%	6~75
		STICK: 30	Duty cycle	-	300A / 60%
	A	TIG: 300			190A / 100%
		STICK: 250	Water cooler control	-	✓
Welding amperage range	A	TIG: 5~300	CLEAN	-	-
		STICK: 5~250	Gas check	-	✓
Efficiency	%	80	Crater control	-	Crater / Repeat
Open-circuit voltage	V	62	Insulation class	-	H
Up slope	Sec	0.1~7	Protection class	-	IP21S
Down slope	Sec	0.1~7	Dimension (W*D*H)	mm	235*545*375
Spot time(With Wire control box)	Sec	0.1~5	Net Weight	kg	27

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BET-300

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
Pulse Function included
4-segment arc control(S-hard/hard/soft/S-soft)
Provide lift arc start
Multifunction include TIG pulse,crater,repeat ,MMA(STICK) etc.

Specification

Input Power	V	220 V ,1Φ	Pre flow time	Sec	0.1
		-	Post flow time	Sec	2~10
Input voltage range	%	±18%	Pulse current	A	-
Input frequency	HZ	50 & 60	Pulse frequency	HZ	High: 10
Rated input capacity	KVA	9.73			-
	KW	8.68			Low: 1
Rated output	V	TIG: 22	Pulse Ratio Width	%	50
		STICK: 28	Duty cycle	-	300A / 30%
	A	TIG: 300			165A / 100%
		STICK: 190	Water cooler control	-	✓
Welding amperage range	A	TIG: 10~300	CLEAN	-	-
		STICK: 10~190	Gas check	-	-
Efficiency	%	76	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	232*500*368
Spot time	Sec	-	Net Weight	kg	24

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DC TIG
INVERTER WELDING

BET-302

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
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
		380/415V,3Φ	Post flow time	Sec	2~15
Input voltage range	%	±15%	Pulse current	A	5~300
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	Pulse Ratio Width	%	6~75
		STICK: 30	Duty cycle	-	300A / 40%
	A	TIG: 300			190A / 100%
		STICK: 250	Water cooler control	-	✓
Welding amperage range	A	TIG: 5~300	CLEAN	-	-
		STICK: 5~250	Gas check	-	✓
Efficiency	%	80	Crater control	-	Crater / Repeat
Open-circuit voltage	V	62	Insulation class	-	H
Up slope	Sec	0.1~7	Protection class	-	IP21S
Down slope	Sec	0.1~7	Dimension (W*D*H)	mm	275*490*395
Spot time	Sec	0.1~5	Net Weight	kg	27

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FT-320

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		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

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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	10.7			-
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: 5~360	CLEAN	-	-
		STICK: 5~250	Gas check	-	✓
Efficiency	%	82	Crater control	-	Crater/off /Repeat
Open-circuit voltage	V	65	Insulation class	-	H
Up slope	Sec	-	Protection class	-	IP21S
Down slope	Sec	-	Dimension (W*D*H)	mm	306*607*495
Spot time	Sec	-	Net Weight	kg	38

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DC TIG
INVERTER WELDING

HERO POWER

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	2~15
Input voltage range	%	±15%	Pulse current	A	5~400
Input frequency	HZ	50 & 60	Pulse frequency	HZ	High: 7.5~500
Rated input capacity	KVA	13.3			Middle: 13~47
	KW	12.3			Low: 0.4~27
Rated output	V	TIG: 26	Pulse Ratio Width	%	1~99
		STICK: 30	Duty cycle	-	400A / 40%
	A	TIG: 400			255A / 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 / Special 2T
Open-circuit voltage	V	70	Insulation class	-	H
Up slope	Sec	0.2~10	Protection class	-	IP21S
Down slope	Sec	0.2~10	Dimension (W*D*H)	mm	300*730*570
Spot time	Sec	0.2~10	Net Weight	kg	43

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DC TIG
INVERTER WELDING

HERO POWER

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

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DC TIG
INVERTER WELDING

HERO POWER

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	2~15
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	23.9			Middle: 1.2~45
	KW	19.15			Low: 0.3~13
Rated output	V	TIG: 30	Pulse Ratio Width	%	1~99
		STICK: 40	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	%	65	Crater control	-	Crater / Repeat / Special 2T
Open-circuit voltage	V	75	Insulation class	-	H
Up slope	Sec	0.2~10	Protection class	-	IP21S
Down slope	Sec	0.2~10	Dimension (W*D*H)	mm	300*730*570
Spot time	Sec	0.2~10	Net Weight	kg	56

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DC TIG
INVERTER WELDING

HERO POWER

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

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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	77.8

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DC TIG
DEEP TIG 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	380V, 3Φ	Welding amperage range	V	10~34
Input voltage range	%	±15%		A	0~1000
Input frequency	HZ	50&60	Efficiency	%	89
Rated input capacity	KVA	42	Duty cycle	-	1000A/100%
	KW	38.2	Insulation class	-	H
Rated output	V	34	Protection class	-	IP21S
	A	1000	Dimension (W*D*H)	mm	1050*595*820
Open-circuit voltage	V	90	Net Weigh	kg	160

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AC/DC TIG WELDING

AFT-301

300A

220V, 1/3Φ
380/415V, 3Φ

305*660*565mm
48kg

AFT-303

300A

220V, 1/3Φ
380/415V, 3Φ

410*510*620mm
65kg

AT-400

400A

220V, 1/3Φ
380V, 3Φ

300*730*570mm
56kg

AFT-400

400A

220V, 1/3Φ
380/415V, 3Φ

410*510*620mm
62kg

AT-350

350A

220V, 1/3Φ
380/415V, 3Φ

300*730*570mm
56kg

AT-350R

350A

220V, 1/3Φ
380/415V, 3Φ

300*565*670mm
55kg

AT-500

500A

220V, 1/3Φ
380V, 3Φ

300*735*670mm
74kg

AFT-500

500A

220V, 1/3Φ
380/415V, 3Φ

445*610*550mm
80kg

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

AC/DC TIG
INVERTER WELDING

HERO POWER

AFT-303

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
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: 10~300	AC Balance	%	20~50
		STICK: 10~250	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

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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	2~15
Input voltage range	%	±15%	Pulse current	A	10~350
Input frequency	HZ	50&60	Pulse frequency	HZ	High: 7.5~500
Rated input capacity	KVA	13.9			Middle: 13~47
	KW	9.98			Low: 0.4~27
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	%	20~80
		STICK: 10~250	Gas check	-	✓
Efficiency	%	84	Crater control	-	Crater / Repeat
Open-circuit voltage	V	70DC / 95AC	Insulation class	-	H
Up slope	Sec	0.2~10	Protection class	-	IP21S
Down slope	Sec	0.2~10	Dimension (W*D*H)	mm	300*730*570
Spot time	Sec	0.2~10	Net Weight	kg	56

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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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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	2~15
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	80DC / 100AC	Insulation class	-	H
Up slope	Sec	0.2~10	Protection class	-	IP21S
Down slope	Sec	0.2~10	Dimension (W*D*H)	mm	300*730*570
Spot time	Sec	0.2~10	Net Weight	kg	56

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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

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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	2~15
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	V	80DC / 100AC	Insulation class	-	H
Up slope	Sec	0.2~10	Protection class	-	IP21S
Down slope	Sec	0.2~10	Dimension (W*D*H)	mm	300*735*670
Spot time	Sec	0.2~10	Net Weight	kg	74

AC/DC TIG
交直流氬銲機

AFT-500

適用範圍

工業設備製造、鋁合金加工業
鈑金加工業、管道製造業
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
操作簡單容易上手
內置多種可調弧性
完整銲接時序控制
可支援銲接電流遠端控制

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
		380/415 V ,3Φ	延遲送氣時間	Sec	2~15
電壓變動範圍	%	±15%	脈波電流	A	10~500
額定頻率	HZ	50&60	脈波頻率	HZ	High: 7.5~500
額定入力	KVA	22.91			-
	KW	21.33			Low: 0.4~27
額定出力	V	TIG: 30	脈波時間比率	%	20~80
		STICK: 36	使用率	-	500A / 60%
	A	TIG: 500			390A / 100%
		STICK: 400	水冷控制	-	✓
額定輸出電流範圍	A	TIG: 10~500	清潔弧	%	20~50
		STICK: 10~400	氣體點檢	-	✓
效率	%	70	銲接控制	-	Crater / Repeat
空載電壓	V	67DC / 120AC	絕緣等級	-	H
電流緩升時間	Sec	0.1~5	防護等級	-	IP21S
電流緩降時間	Sec	0.1~5	外型尺寸(W*D*H)	mm	445*610*550
點銲時間	Sec	0.1~5	重量	kg	80

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PLASMA WELDING

PT-30

30A

220V, 1/3Φ
380/415V, 3Φ

386*716*643mm
55kg

PAW-50

50A

220V,1Φ

550*395*760mm
55kg

PAW-200

200A

220V,1/3Φ

550*395*760mm
68kg

PT-500

500A

220V, 1/3Φ
380/415V, 3Φ

506*716*923mm
95kg

PAW-500

500A

380V, 3Φ

600*540*1120mm
121kg

PAW-501

500A

380V, 3Φ

600*540*1120mm
89kg

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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PAW
PLASMA WELDING

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	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: 1.3~500
Rated input capacity	KVA	29.47			Middle: 1.2~47
	KW	23.28			Low: 0.7~27
Rated output	V	DC ARC: 21.2	Pulse Ratio Width	%	1~99
		DC TIG: 40	Duty cycle	-	500A / 70%
	A	DC ARC: 30			420A / 100%
		DC TIG: 500	Water cooler control	-	✓
Welding amperage range	A	DC ARC: 0~30	CLEAN	-	-
		DC TIG: 10~500	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	506*716*923
Spot time	Sec	0.2~10	Net Weight	kg	95

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

Specification

Input voltage range	V	220 V ,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 1~50	Duty cycle	-	50A / 100%
		Arc 1~25			-
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

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

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

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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
With special welding function, perfect PLC control conta
Arc current 1-30A adjustable
0-10V analog interface available to control welding curr
2-stage switching pulse frequency
Various welding modes optional, with full pulse wave ad
Complete plasma gas sequence control
Abnormal Signal Alarm Design

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 Arc 5~500	Duty cycle	-	500A / 100%
		Arc 1~30			-
Efficiency	%	87	Water cooler control	-	✓
Open-circuit voltage	V	Main Arc 143	Gas check	-	✓
		Arc 103	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

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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
PLC control connection support
Arc current 1-30A adjustable
0-10V analog interface available to control welding current
Abnormal Signal Alarm Design

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

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MIG/MAG WELDING

BCM-200

200A

220V, 1Φ

264*500*430mm
26kg

BCM-250EF

250A

220V, 1/3Φ
380/415V, 3Φ

230*505*245mm
18kg

BEM-350

350A

220V, 1/3Φ
380/415V, 3Φ

302*610*455mm
34kg

DM-400R

400A

220V, 3Φ
380/415V, 3Φ

300*610*535mm
45kg

DM-400R

400A

220V, 3Φ
380/415V, 3Φ

300*610*535mm
45kg

DM-550R

550A

220V, 3Φ
380/415V, 3Φ

300*760*670mm
60kg

BEM-350II

350A

380V, 3Φ

620*315*630mm
38.4kg

BEM-500

500A

220V, 3Φ
380/415V, 3Φ

420*650*580mm
61kg

BEM-650

650A

220V, 3Φ
380/415V, 3Φ

420*650*580mm
67kg

DM-500RP

500A

220V, 3Φ
380/415V, 3Φ

307*590*600mm
50kg

DM-1000

1000A

380/415V, 3Φ

510*860*970mm
132kg

DM-1300

1300A

380/415V, 3Φ

590*960*820mm
185kg

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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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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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
Inductance adjustment for precision control penetration
MMA function included
Low spatter welding & high productivity
Precision wire speed control for all medium and heavy industries

Specification

Input Power	V	220V, 1/3Φ	Duty cycle	-	350A / 60%
		380/415V, 3Φ			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	Φ0.8,Φ1.0
	KW	13.11			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

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MIG/MAG
INVERTER WELDING

BEM-350II

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
Inductance adjustment for precision control penetration
MMA function included
Low spatter welding & high productivity
Precision wire speed control for all medium and heavy industries

Specification

Input Power	V	-	Duty cycle	-	350A / 60%
		380V, 3Φ			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	13	Mig wire	mm	Φ0.8,Φ1.0
	KW	11.6			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	%	95	Dimension (W*D*H)	mm	315*620*630
Open-circuit voltage	V	70	Net Weight	Kg	38.4

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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
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	-	500A / 70%
		380/415V, 3Φ			420A / 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

MIG/MAG
INVERTER WELDING

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
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	-	650A / 80%
		380/415V, 3Φ			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

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MIG/MAG
INVERTER WELDING

DM-400R

Application

Ship and boat building
Automotive/Transportation equipment
Heavy equipment manufacturing
Tank/Pressure vessel fabrication
Structural steel 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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MIG/MAG
INVERTER WELDING

DM-400RS

Application

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

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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(0.9),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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MIG/MAG
INVERTER WELDING

DM-500RP

Application

General fabrication — Structural steel fabrication

Hard facing workshop — LPG & LNG Storage tank

Sheet metal fabrication — Truck/trailer manufacturing

Features

Inverter technology for energy-efficient

Wire feeder include digital display for easy operation

Multifunction include DC/Pulse/Double pulse

10 groups of programs can be memorized for job selection

Precise digital control of each melt can reduce spatters

Special feedback control allows longer torch lead

Perfect short arc force for narrow gap and root welding

Force arc good for thick material penetration

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

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MIG/MAG
INVERTER WELDING

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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SUBMERGED
INVERTER WELDING

DM-1300

Application

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

Features

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

Specification

Input Power	V	-	Duty cycle	-	1300A / 50%
		380/415V, 3Φ			1000A / 100%
Input voltage range	%	±15%	Efficiency	%	95
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	Suggested welding depth	mm	-
	A	1300	Insulation class	-	H
Welding amperage range	V	10~60	Protection class	-	IP23S
	A	100~1300	Dimension (W*D*H)	mm	590*960*820
Open-circuit voltage	V	90	Net Weight	Kg	185

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PLASMA CUTTER

DP-50

50A

220V, 1Φ

195*450*280mm
17kg

BEP-50

50A

220V, 1Φ

212*400*244mm
15kg

BEP-92

90A

220V,1/3Φ
380/415V,3Φ

598*300*570mm
43kg

AP-90

90A

220V, 1/3Φ
380/415V,3Φ

430*495*630mm
55kg

SP-53

50A

220V, 1Φ

215*424*305mm
15kg

BEP-60

60A

220V,1/3Φ
380/415V,3Φ

500*230*330mm
22kg

BEP-120

120A

220V,1/3Φ
380/415V,3Φ

420*650*580mm
61kg

BEP-160

160A

220V,1/3Φ
380/415V,3Φ

755*430*730mm
94kg

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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CUT
INVERTER CUTTING

BEP-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
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	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	212*400*244
Water cooling	-	-	Net Weight	kg	15

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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
Pilot Arc Starting

Specification

Input Power	V	220V, 1Φ	Duty cycle	-	50A / 40%
		-			32A / 100%
Input voltage range	%	±15%	Pre flow time	Sec	1 ~1.5
Input frequency	HZ	50&60	Post flow time	Sec	12 (+3)
Rated input capacity	KVA	9.2	Cutting thickness	mm	max 15
	KW	6.2			Recommended 10
Rated output	V	100	Gas check	-	✓
	A	50	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

CUT
INVERTER CUTTING

BEP-60

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
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 20
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	266	Dimension (W*D*H)	mm	500*230*330
Water cooling	-	-	Net Weight	kg	22

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BEP-92

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 / 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

CUT
INVERTER CUTTING

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

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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

Provides consistent high-speed cutting

Pilot Arc Starting

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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CUT
INVERTER CUTTING

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	Duty cycle	-	160A / 60%
		380/415V,3Φ			-
Input voltage range	%	±15%	Pre flow time	Sec	0.5
Input frequency	HZ	50&60	Post flow time	Sec	20
Rated input capacity	KVA	41.7	Cutting thickness	mm	max 50
	KW	32			Recommended 35
Rated output	V	180	Gas check	-	✓
	A	160	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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MMA WELDING

BES-300

300A

220V, 1/3Φ
380/415V, 3Φ

230*505*280mm
18kg

BES-400

400A

220V, 1/3Φ
380/415V, 3Φ

305*610*350mm
27kg

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
Arc force adjustment for precision control penetration
Low spatter

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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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
Arc force adjustment for precision control penetration
Low spatter

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

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Digital Automation Controller

•PC BASE

RS485-Modbus Communications

Windows operating software

•ALL welding machine

cold welding

continuous spot welding

F-20P

•Controller

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

•AT / DT series

cold welding

continuous spot welding

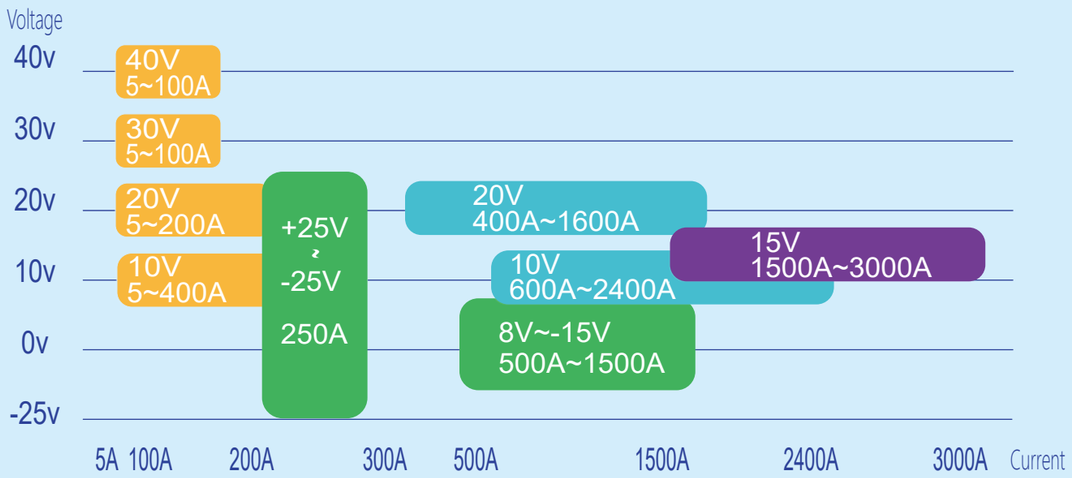
analog controlled pulse parameters

DT-400

倍利源 Braver Power

RECTIFIER POWER

Specification



- **ABD** Digital Pulse Rectifier
- **ABP** Digital Forward Pulse Rectifier
- **ABU** Digital Pulse-Reverse Rectifier
- **ABDD** ABD+HMI & PLC Paraliel connection
- **ABDX** High Current

ABD

40V, 5~100A
30V, 5~100A
20V, 5~200A
10V, 5~400A

620*450*135mm

ABP

40V, 5~100A
30V, 5~100A
20V, 5~200A
10V, 5~400A

555*405*225mm

ABU

25~-25V, 250A

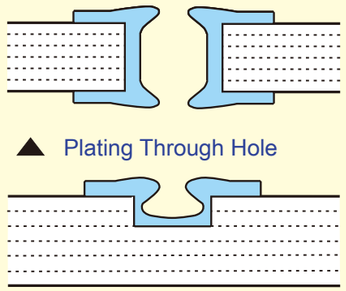
8~-15V, 500~1500A

200*500*530mm

Pulse characteristic difference

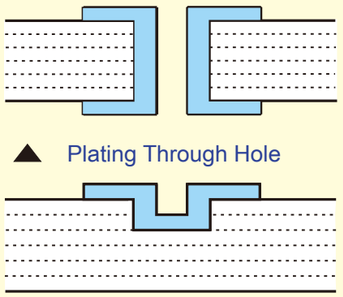
Pulse Rectifier

General Plating

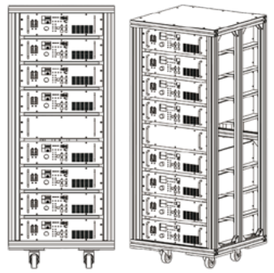


Pulse-Reverse Rectifier

Uniform Plating

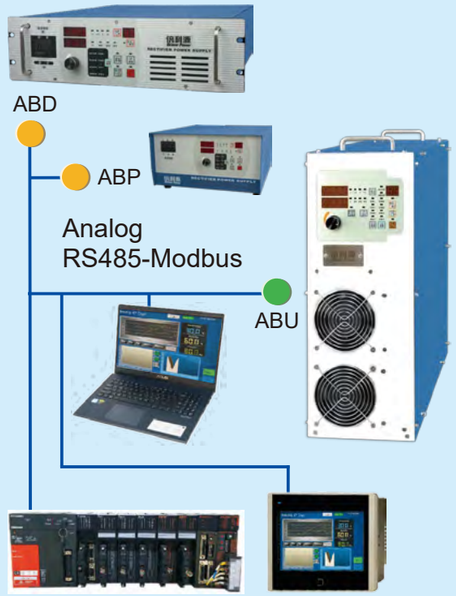


ABDD



10V, 600~2400A

20V, 400~1600A



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

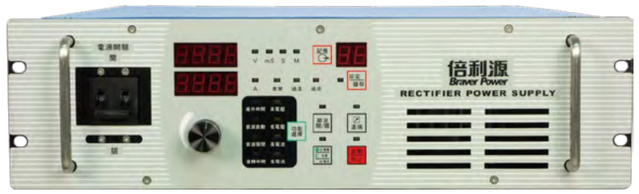
Abnormal light display
Over temperature & current display
High/low voltage and current display
99 groups of programs for job selection
C.C & C.V design
AUTO mode

Applications

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

Dimension

(W)620*(D)450*(H)135mm



ABD Pulse Rectifier

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

Custom designs available

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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

Dimension

(W)555*(D)405*(H)225mm

ABP Forward Pulse Rectifier

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

Custom designs available

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

Dimension

(W)200*(D)500*(H)530mm

Pulse Reverse Rectifier

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	250A
Negative current	250A
C.C control accuracy	±3.0%
Pulse mode switching	High and low single pulse
	Positive and negative pulse
	Positive and negative double pulse
Connection method	Analog / Modbus RTU
Positive current time	1~200ms
Negative current time	1~200ms

Custom designs available

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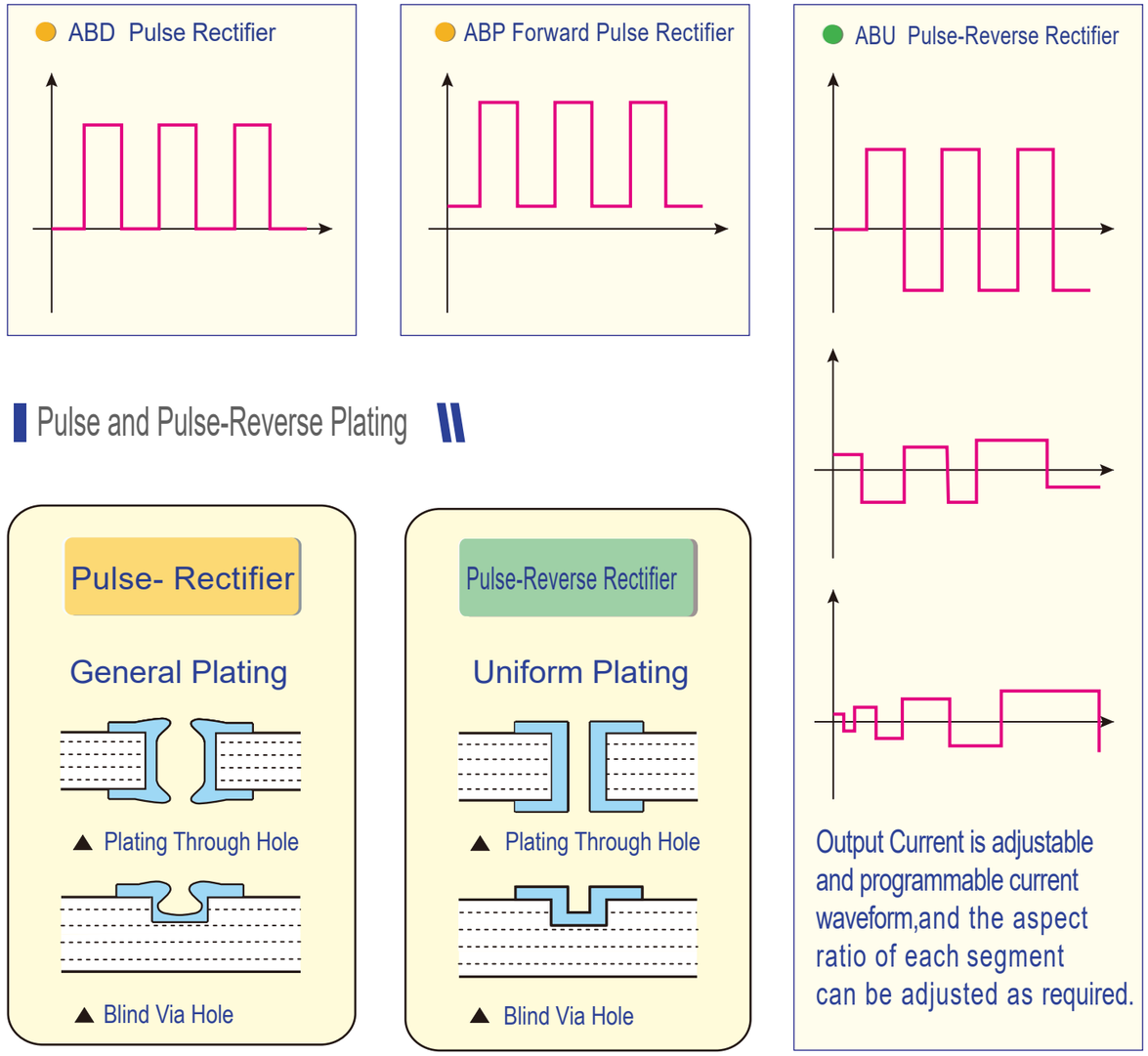
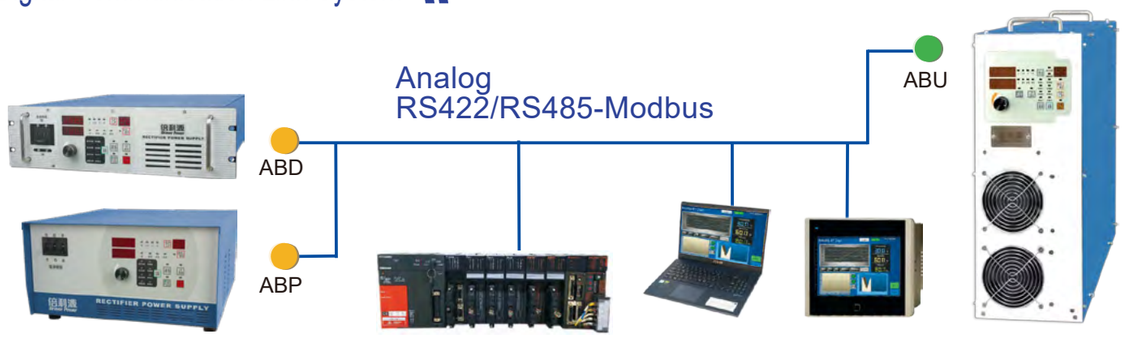
Pulse Waveform diagram



Pulse and Pulse-Reverse Plating

Digital Communication Link System



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