

INVERTER WELDER
DANCY WELDER

DANCY
INVERTER WELDING MACHINE

DANCY

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Zhejiang Yongkang Dancy Machine Co.,Ltd

MMA,MIG,TIG,Air plasma cutter,3 in 1 combo welder

Digitalized inverter DC MIG/MMA welding machine
Characteristics:

- Digitalized controlling, meet the demand of MIG and MMA.
- Adjustment of non-polar welding voltage and wire-feeding speed adjustment.

- Suitable of solid core, medicine core, and flux cored wire.
- IGBT technology and frequency of switch up to 40KHZ, the controlling accuracy more higher
- Compact design, easy to carry

Welding parameters display: show the data directly, more convenient to see and adjust



Welding parameters are reserved into the machine

Adjust the welding parameters freely according to the work piece and welding craft

Select the operation mode between MIG and MMA

VRD function: the no-load voltage is lower than safe voltage 24V, effectively protect the personal safety of workman.

The operation mode (2T/4T) of welding torch, greatly reduce the operation intensity.

Gas checking: check the gas supply is normal or not, reduce the welding defects due to poor gas supply

Quick wire feeding, improve working efficiency

With over current, over voltage over heating protection



THE WORLD'S FIRST

DIGITALIZED INVERTER DC MIG/MMA WELDING MACHINE IGBT tech

MIG-155V



Input voltage (V):	220V ± 15%	
No-load voltage(V):	65V ± 5V	
	MIG	MMA
Rated output current(A):	20-155A	20-155A
Rated output voltage(V):	21.2V	26.2V
Rated Input power capacity:	3.9KW	4.8KW
Rated input current(A):	17A	21A
Power factor:	0.8	
Duty-cycle:	60%	
Insulation class:	IP21S	
Protection class:	F	
Diameter:	0.6 2.5-3.2	
N.W/G.W:	10.5kgs/17.5kgs	
Packing:	500x240x350mm	



MIG-175V



Input voltage (V):	220V ± 15%	
No-load voltage(V):	65V ± 5V	
	MIG	MMA
Rated output current(A):	20-175A	20-175A
Rated output voltage(V):	22V	27V
Rated Input power capacity:	4.9KW	5.9KW
Rated input current(A):	20A	24A
Power factor:	0.8	
Duty-cycle:	60%	
Insulation class:	IP21S	
Protection class:	F	
Diameter:	0.6-0.8 2.5-4.0	
N.W/G.W:	10.5kgs/17.5kgs	
Packing:	500x240x350mm	



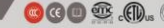
MIG-200V



Input voltage (V):	220V ± 15%	
No-load voltage(V):	65V ± 5V	
	MIG	MMA
Rated output current(A):	20-200A	20-200A
Rated output voltage(V):	25V	28V
Rated Input power capacity:	5.9KW	6.9KW
Rated input current(A):	26.8A	29.5A
Power factor:	0.8	
Duty-cycle:	60%	
Insulation class:	IP21S	
Protection class:	F	
Diameter:	0.8-1.0 2.5-4.0	
N.W/G.W:	10.5kgs/17.5kgs	
Packing:	500x240x350mm	



MIG-135



Input voltage (V):	220V ± 15%	
No-load voltage(V):	65V ± 5V	
	MIG	
Rated output current(A):	20-135A	
Rated output voltage(V):	21.2V	
Rated Input power capacity:	3.5KW	
Rated input current(A):	15A	
Power factor:	0.8	
Duty-cycle:	60%	
Insulation class:	IP21S	
Protection class:	F	
Diameter:	0.6	
N.W/G.W:	10.5kgs/17.5kgs	
Packing:	500x240x350mm	



MIG-155



Input voltage (V):	220V ± 15%	
No-load voltage(V):	65V ± 5V	
	MIG	
Rated output current(A):	20-155A	
Rated output voltage(V):	21.2V	
Rated Input power capacity:	3.8KW	
Rated input current(A):	17A	
Power factor:	0.8	
Duty-cycle:	60%	
Insulation class:	IP21S	
Protection class:	F	
Diameter:	0.6	
N.W/G.W:	10.5kgs/17.5kgs	
Packing:	500x240x350mm	



MIG-195



Input voltage (V):	220V ± 15%	
No-load voltage(V):	65V ± 5V	
	MIG	
Rated output current(A):	20-200A	
Rated output voltage(V):	25V	
Rated Input power capacity:	5.9KW	
Rated input current(A):	26.8A	
Power factor:	0.8	
Duty-cycle:	60%	
Insulation class:	IP21S	
Protection class:	F	
Diameter:	0.8-1.0	
N.W/G.W:	10.5kgs/17.5kgs	
Packing:	500x240x350mm	



Digitalized inverter DC mma welding machine with Pulse

Characteristics:

- Adopt with ST digital 16 bit MCU intelligent control, more precision, fast response, greatly improving the reliability and welding process.
- Greatly reduce the splash and slag phenomenon, welding slag cleaning easier.

- With pulse function, greatly lower the request of workman skill. Through adjusting the ground current and pulse duty cycle, you will performance a perfect welding figure of fish scale in spite that you are not the professional.

Welding parameters display: show the data directly, more convenient to see and adjust



Pulse key, meet the differnt demand of workman.

VRD function: the no-load voltage is lower than safe voltage 24V, effectively protect the personal safety of workman.

Adjustment knob of welding parameter setting, and with memory function

Meet the welding process requirements of various welding electrode and work piece.



With over current, over voltage over heating protection

Pulse selection to meet different welding requirements



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**DIGITALIZED INVERTER
DC MMA WELDING MACHINE WITH PULSE**

MMA-250P

Input voltage (V):	220V ± 15%
No-load voltage(V):	75V ± 5V
Rated output current(A):	20-240A
Rated output voltage(V):	29.6V
Rated Input power capacity:	8.4KW
Rated input current(A):	38A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	2.5-5.0
N.W/G.W:	5.6KGS / 8.1KGS
Packing:	410x210x260mm



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**DIGITALIZED INVERTER
DC MMA WELDING MACHINE WITH PULSE**

MMA-180P

Input voltage (V):	220V ± 15%
No-load voltage(V):	75V ± 5V
Rated output current(A):	20-180A
Rated output voltage(V):	27.2V
Rated Input power capacity:	5.7KW
Rated input current(A):	25.9A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	2.5-4.0
N.W/G.W:	5.6KGS / 8.1KGS
Packing:	410x210x260mm



MMA-200P

Input voltage (V):	220V ± 15%
No-load voltage(V):	75V ± 5V
Rated output current(A):	20-200A
Rated output voltage(V):	28V
Rated Input power capacity:	6.9KW
Rated input current(A):	28A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	2.5-4.0
N.W/G.W:	5.6KGS / 8.1KGS
Packing:	410x210x260mm



MMA-160P

Input voltage (V):	220V ± 15%
No-load voltage(V):	65V ± 5V
Rated output current(A):	20-160A
Rated output voltage(V):	26.4V
Rated Input power capacity:	5KW
Rated input current(A):	22.7A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	2.5-3.2
N.W/G.W:	5.6KGS / 8.1KGS
Packing:	410x210x260mm



Inverter DC MMA welding machine

Characteristics:

- The main components far away from the wind crossing, significantly protect them against dust.
- Frequency up to 65KHZ, responding faster, higher welding accuracy.
- Compared with the power switch, SAP® technology its interference decline sharply.

- High-power radiator components placed on the wind crossing, good cooling performance, greatly prolong its life.
- 95% of the broken welding machine, its due to the impact damage of IGBT at short circuit. We adopt with SAP® technology, its voltage drop automatically to solve this problem. The reliability of IGBT improve greatly and avoid the explosion of machine. Compared with the power switch, SAP® technology its interference decline sharply.

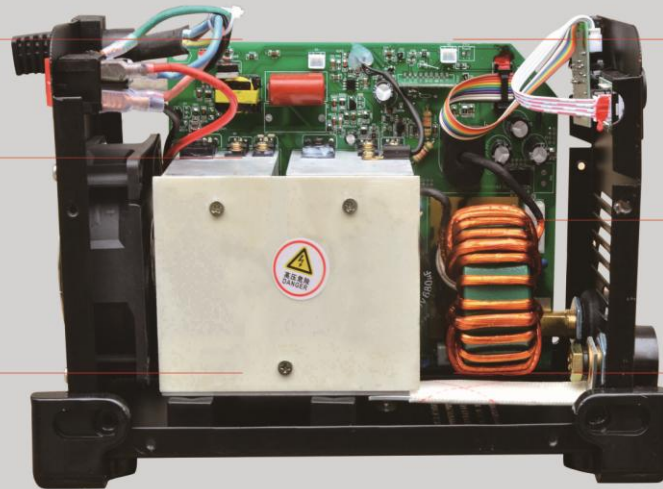


With single board, simple structure, easy to repair

With SAP® technology, improve the reliability



Special radiator design, duty cycle up to 60%



The frequency of 60KHZ, control precision, improve welding process

large scare of input voltage from 265V to 165V, work normally

Overheating, over voltage, undervoltage and overcurrent protection



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INVERTER IGBT WELDING MACHINE

DC MMA WELDING MACHINE



MMA-120-V7

Input voltage (V):	220V ± 15%
No-load voltage(V):	65V ± 5V
Rated output current(A):	20-120A
Rated output voltage(V):	25.2V
Rated input power capacity:	3.85KW
Rated input current(A):	17.5A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-2.5
N.W/G.W:	3.3kgs / 5.8kgs
Packing:	300x200x230mm

MMA-140-V7

Input voltage (V):	220V ± 15%
No-load voltage(V):	65V ± 5V
Rated output current(A):	20-140A
Rated output voltage(V):	25.6V
Rated input power capacity:	4.2KW
Rated input current(A):	19A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-3.2
N.W/G.W:	3.5kgs / 5.8kgs
Packing:	300x200x230mm

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INVERTER IGBT WELDING MACHINE

MMA-160-V7

Input voltage (V):	220V ± 15%
No-load voltage(V):	65V ± 5V
Rated output current(A):	20-160A
Rated output voltage(V):	26.4V
Rated input power capacity:	5KW
Rated input current(A):	22.7A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-3.2
N.W/G.W:	4.2kgs / 6.7kgs
Packing:	320x200x230mm



MMA-180-V7

Input voltage (V):	220V ± 15%
No-load voltage(V):	65V ± 5V
Rated output current(A):	20-180A
Rated output voltage(V):	27.2V
Rated input power capacity:	5.7KW
Rated input current(A):	25.9A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-4.0
N.W/G.W:	4.2kgs / 6.7kgs
Packing:	320x200x230mm



MMA-200-V7

Input voltage (V):	220V ± 15%
No-load voltage(V):	65V ± 5V
Rated output current(A):	20-200A
Rated output voltage(V):	28V
Rated input power capacity:	6.5KW
Rated input current(A):	29.5A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-5.0
N.W/G.W:	4.2kgs / 6.7kgs
Packing:	320x200x230mm



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INVERTER IGBT WELDING MACHINE

DC MMA WELDING MACHINE



MMA-140-S2

Input voltage (V):	220V ± 15%
No-load voltage(V):	65V ± 5V
Rated output current(A):	20-140A
Rated output voltage(V):	25.6V
Rated input power capacity:	4.2kW
Rated input current(A):	19A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-3.2
N.W/G.W:	3.9kgs / 5.8kgs
Packing:	300x200x230mm

MMA-160-S2

Input voltage (V):	220V ± 15%
No-load voltage(V):	65V ± 5V
Rated output current(A):	20-160A
Rated output voltage(V):	26.4V
Rated input power capacity:	5KW
Rated input current(A):	22.7A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-3.2
N.W/G.W:	4.2kgs / 6.7kgs
Packing:	320x200x230mm

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INVERTER IGBT WELDING MACHINE

MMA-180-S2

Input voltage (V):	220V ± 15%
No-load voltage(V):	65V ± 5V
Rated output current(A):	20-180A
Rated output voltage(V):	27.2V
Rated input power capacity:	5.7KW
Rated input current(A):	25.9A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-4.0
N.W/G.W:	4.2kgs / 6.7kgs
Packing:	320x200x230mm



MMA-200-S2

Input voltage (V):	220V ± 15%
No-load voltage(V):	65V ± 5V
Rated output current(A):	20-200A
Rated output voltage(V):	28V
Rated input power capacity:	6.5KW
Rated input current(A):	29.5A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-5.0
N.W/G.W:	5.0kgs / 7.7kgs
Packing:	320x200x230mm



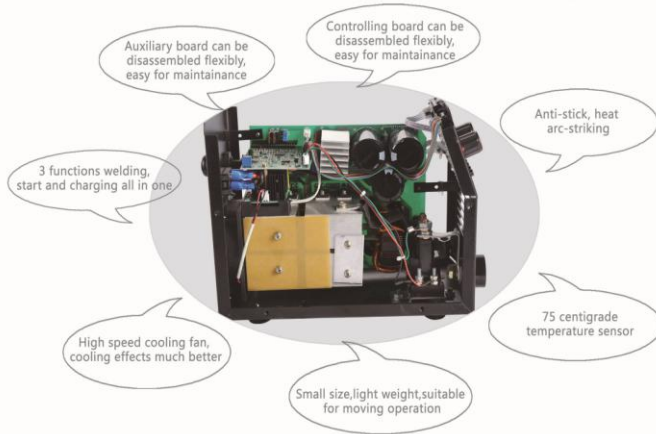
MMA-250-S2

Input voltage (V):	220V ± 15%
No-load voltage(V):	65V ± 5V
Rated output current(A):	20-250A
Rated output voltage(V):	30V
Rated input power capacity:	7.3KW
Rated input current(A):	29.5A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-5.0
N.W/G.W:	5.6kgs / 8.7kgs
Packing:	320x200x230mm



SMT series WELDING MACHINE/START/CHARGING

Single phase input, portable, with multi-functions: MMA welding, charging and starting
 MMA welding: max electrode diameter 4.0mm
 Battery charging: charging and starting boost for lead-acid battery with 12v/24v/36v
 Automatic identification system of positive and negative
 Work normally in spite of low voltage with 165V
 Suitable for all kinds of electrodes including cellulose electrodes



TECHNICAL DATA

型号	SMT-300	SMT-480
Charging voltage(V)	12/24/36V 50Hz	12/24/36V 50Hz
Charging current(A)	175/87/44	280/140/70
Start current(A)	300	480
Rated output capacity(KVA)	7	11.2
Efficiency	85%	85%
Power factor	0.92	0.92
Protection grade	IP21S	IP21S
Rated welding current	180	250
Current/Duty cycle at 25°C	70%	70%
Electrode Dia	1.6-4.0	1.6-4.0
Protection class	IP21S	IP21S
Overall Dimension(MM)	320*130*205	320*130*205
Weight(KGS)	6.3	7
Packing size(MM)	360*180*320	360*180*320

DUAL VOLTAGE IGBT MMA welder 220V/110V,220V/380V

- Intelligent convert, wide range of application
- With function of Arc-force
- Used in generator
- Various range of working voltage can be made according to your requirements



MMA-200G

Input voltage (V):	220V ± 15% / 380V ± 15%
No-load voltage(V):	70V ± 5V
Rated output current(A):	20-160A / 20-200A
Rated output voltage(V):	26.4V / 28V
Rated input power capacity:	5KW / 6.5KW
Rated input current(A):	22.7A / 29.5A
Power factor:	0.8 / 0.92
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-4.0
N.W/G.W:	4.8KGS / 7.3KGS
Packing:	380x230x280mm



MMA-200D

Input voltage (V):	110V ± 15% / 220V ± 15%
No-load voltage(V):	70V ± 5V
Rated output current(A):	20-140A / 30-200A
Rated output voltage(V):	25.6V / 28V
Rated input power capacity:	4.2KW / 6.5KW
Rated input current(A):	19A / 29.5A
Power factor:	0.8 / 0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-4.0
N.W/G.W:	6.2KGS / 8.7KGS
Packing:	380x230x300mm



MMA-180D

Input voltage (V):	110V ± 15% / 220V ± 15%
No-load voltage(V):	70V ± 5V
Rated output current(A):	20-120A / 20-180A
Rated output voltage(V):	24.8V / 27.2V
Rated input power capacity:	3.5KW / 5.7KW
Rated input current(A):	16A / 25.9A
Power factor:	0.8 / 0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-4.0
N.W/G.W:	6.2KGS / 8.7KGS
Packing:	380x230x300mm



Mosfet inverter tech MMA welder 220V-V4 series

- Intelligent convert, wide range of application
- Mosfet or IGBT tech at option
- Various range of working voltage can be made according to your requirements
- Arc force,VRD
- Used in generator



MMA-250-V4

Input voltage (V):	220V ± 15%
No-load voltage(V):	70V ± 5V
Rated output current(A):	20-250A
Rated output voltage(V):	35V
Rated input power capacity:	6.5KW
Rated input current(A):	32.5A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-4.0
N.W/G.W:	8.8KGS / 10.3KGS
Packing:	445x250x315mm



MMA-200-V4

Input voltage (V):	220V ± 15%
No-load voltage(V):	70V ± 5V
Rated output current(A):	30-200A
Rated output voltage(V):	28V
Rated input power capacity:	6.5KW
Rated input current(A):	29.5A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-4.0
N.W/G.W:	7.2KGS / 9.7KGS
Packing:	445x250x315mm



MMA-180-V4

Input voltage (V):	220V ± 15%
No-load voltage(V):	70V ± 5V
Rated output current(A):	20-180A
Rated output voltage(V):	27.2V
Rated input power capacity:	5.7KW
Rated input current(A):	25.9A
Power factor:	0.8
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
Diameter of Electrode:	1.6-4.0
N.W/G.W:	6.2KGS / 8.7KGS
Packing:	445x250x315mm



DUAL VOLTAGE, MOSFET or IGBT, INVERTER PLASMA CUTTER

- Intelligent convert,wide range of application
- Dual voltage Input 220V/110V or Single voltage 220V, at choice to fit different needs
- Various range of working voltage can be made according to your requirements



CUT-40

Input voltage (V):	220V ± 15%
Input voltage (V):	110V / 220V ± 15%
No-load voltage(V):	230V
Rated output current(A):	20-40A
Rated Input power capacity:	4.9KW
Power factor:	0.92
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
N.W/G.W:	7.8KGS /10.3KGS
Packing:	390X160X250mm



CUT-50

Input voltage (V):	220V ± 15%
Input voltage (V):	110V / 220V ± 15%
No-load voltage(V):	230V
Rated output current(A):	20-50A
Rated Input power capacity:	6.4KW
Power factor:	0.92
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
N.W/G.W:	8.3KGS /10.8KGS
Packing:	390X160X250mm



CUT-60

Input voltage (V):	220V ± 15%
Input voltage (V):	110V / 220V ± 15%
No-load voltage(V):	230V
Rated output current(A):	20-60A
Rated Input power capacity:	8.4KW
Power factor:	0.92
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
N.W/G.W:	8.8KGS /11.5KGS
Packing:	390X160X250mm



3 in 1 Multifunciton TIG MMA CUT combe welder,mosfet tech

- Intelligent convert,wide range of application
- Dual voltage 220V/110,Single voltage 220V,at option
- Various range of working voltage can be made according to your requirements



3 IN 1 welder TIG+MMA+CUT



CT-416

Input voltage (V):	220V ± 15%
Input voltage (V):	110V / 220V ± 15%
No-load voltage(V):	240V
Rated output current(A):	20-40A
Rated Input power capacity:	6.6KW
Power factor:	0.92
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
N.W/G.W:	8.8KGS /11.5KGS
Packing:	390X160X250mm

CT-520

Input voltage (V):	220V ± 15%
Input voltage (V):	110V / 220V ± 15%
No-load voltage(V):	240V
Rated output current(A):	20-50A
Rated Input power capacity:	8.1KW
Power factor:	0.92
Duty-cycle:	60%
Insulation class:	IP21S
Protection class:	F
N.W/G.W:	8.8KGS /11.5KGS
Packing:	390X160X250mm



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