

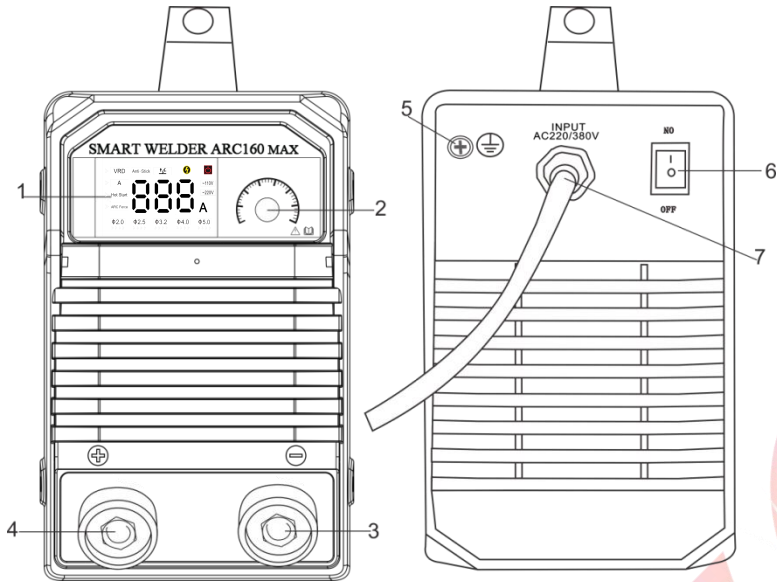


ARC160MAX

Top Features

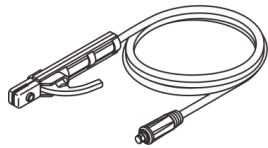
- ❖ High current range of 170 amps provides the ability to weld with up to 3.2 mm electrodes
- ❖ Convenient operational interface with LED display
- ❖ Small body, high energy, multi-boards, full bridge technology
- ❖ Adjustable hot start, arc force and VRD function
- ❖ Automatically matching welding parameters
- ❖ Convenient operational interface with digital meter
- ❖ Overheat, over-current and over-voltage detection, anti-shock and anti-sticking functions
- ❖ Built to IP21 classification to ensure reliability in harsh and demanding environmental conditions
- ❖ Suitable for welding with extended cables up to 100M

<i>Technical</i>	<i>Parameters</i>	<i>Technical</i>	<i>Parameters</i>
Input Power	220V(±10%)/1Ph/50HZ/60HZ	Efficiency (%)	80
Rated input current (A)	32	Power factor	0.73
No-load voltage (V)	70	Insulation grade	F
Rated Output Current /Voltage/Duty Cycle	30-170A/26.8V/30%	Housing protection grade	IP21
Force adjusting range (A)	1-10	Net Weight (Kg)	4.64
Hot Start (A)	1-100	Dimensions H×W×D (mm)	305 x 146 x 258
No-load loss (W)	40		

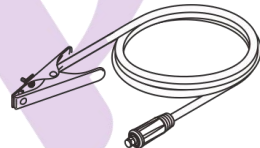


<i>Function description</i>			
1	LED display	4	Negative output
2	Current adjustment knob	5	Grounding bolt
	Press to switch functions	6	Power switch
3	Positive output	7	Input power cable

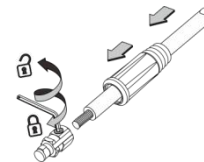
ACCESSORY DRAWING



Electrode holder with cable



Earth clamp with cable



Connector assembly way



Internal hexagonal wrench

INSTALLATION INSTRUCTION

If the connecting cable is too long, it will have a great influence on the arcing performance as well as the stability of the welding performance. Therefore, please use the recommended length. If you want to reduce the voltage drop, please use a cable with a larger cross section.

- 1) Ground the cables with section area no less than 6mm^2 to the housing, the way is connecting screw in the back of the power source to ground device;
- 2) Connect the power cable to the distribution box with the corresponding voltage level of the welder. Do not connect the wrong voltage and ensure that the fluctuation of the input voltage is within the allowable range;
- 3) Make sure that the input power cable, output electrode holder, and output earth clamp are reliably connected. For the output interface, refer to the connection method below and tighten it clockwise;
- 4) Please pay attention to the connecting terminal, DC welding machine has two connecting ways: positive connection and negative connection. Positive connection: connect the electrode holder with “-” terminal, while workpiece with the “+” terminal. Negative connection: workpiece with the “-” terminal, holder with the “+” terminal. Choose suitable way according to the working situation. If unsuitable choice is made, it will cause unstable arc, more spatters and conglutination. If such problems occur, please change the polarity of the fastening plug.

