

MEGMEET | Stock Code
WELDING TECHNOLOGY | 002851

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MEGMEET
Welding Technology

MEGMEET's strong technical strength, extensive industry application experience, relentless attention to customer needs, and the spirit of continuous innovation enable us to bring tailor-made products and solutions to help customers achieve greater success.

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Fluxon- 400/500/630

Full-digital IGBT Inverter MMA Welding Machine

Fluxon



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☑ MMA ☑ Gouging ☑ VRD ☑ RFID ☑ SMARC IoT

Product Advantages

- Applicable for welding of various acidic, alkaline, stainless steel, and low-hydrogen electrodes;
- Input voltage allows for fluctuations up to $\pm 15\%$;
- Meet with long-distance welding requirement with high-stability even with a 100-meter cable;
- Adjustable arc force and hot start current can improve welding performance;
- VRD anti-electric shock protection function provides enhanced safety;
- only Fluxon-500/630 have carbon arc gouging function, with ST2-630 supporting carbon rod up to 10mm.
- Enclosure achieves IP23 protection, ensuring high reliability for harsh environments.

Applications

Full series are suitable for high-performance welding in harsh environments and is widely used in many industries such as petrochemical, power construction, building construction, shipbuilding, steel structure, etc.

Fluxon



MMA Function

- Accurate control of welding process with adjustable parameters such as arc starting current, arc force current, and knee-point voltage;
- Desirable welding performance with smooth arc starting, softer arc, minimal spatter and suitable for all-position welding;
- Applicable in welding carbon steel, stainless steel, nickel alloy, and various acidic and alkaline electrodes.



Carbon Arc Gouging Function

- Multi-purpose model, capable of welding root cleaning and welding repair;
- High arc energy, fast and high-quality gouging;
- Full series support carbon arc gouging function and Fluxon -630 can gouge carbon rod up to 10mm.





Ideal for Long-distance and Narrow-space Welding



Remote Control Adjustment Function

- One-touch switching between main machine and remote control module;
- Common parameters are able to be regulated such as welding current and arc force current;
- Especially suitable for long-distance,or narrow-space operations. It eliminates time-consuming task of "walk, adjust, return to weld," and improve working efficiency.



Available with Wired or Wireless Remote Control Module

- Wired remote control module: Equipped with 5-PIN control cable for stable signal transmission and shielded communication cable for strong anti-interference capability, could be used in complex working condition;
- Wireless remote control module: Wireless mobility is more convenient, and signal transmission via power cable allows for communication distances up to 100 meters.

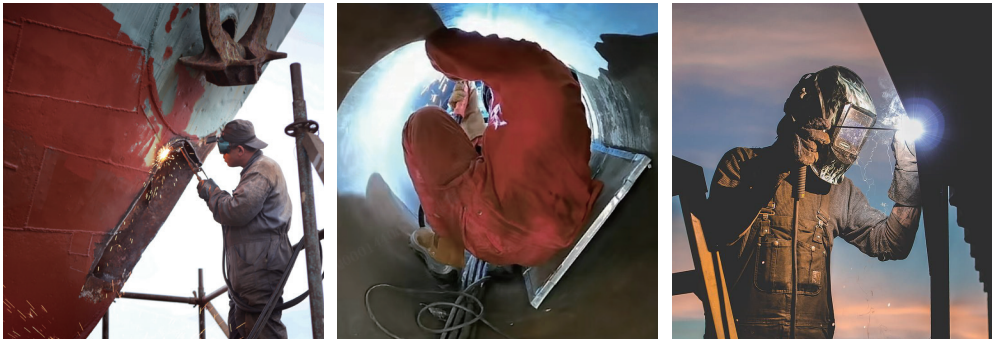




Higher Safety Performance

Equipped with VRD (Vibration Reduction Device) anti-electric shock protection function

- VRD is 15V, effectively reducing the risk of electric shock for welders and protecting their safety.



Product Specification

Welding Power Source	Unit	Fluxon-400	Fluxon-500	Fluxon-630
Control Mode	-	Digital control		
Rated Input Voltage/Phase	-	Three-phase 415VAC: 415±15%VAC Three-phase 400VAC: 353V ~ 477VAC		
Input Power Frequency	Hz	50/60		
Rated Input Capacity	kVA/kW	17.6/16.3	24.0/22.6	32.9/30.9
Power Factor	-	0.93	0.94	0.94
Efficiency	-	88.1%	88.6%	89.7
Output Characteristics	-	CC		
Rated Output Current	A	400	500	630
Rated Output Voltage	V	36	40	44
Rated Duty Cycle (Ambient Temperature40℃)	%	400A@60%	500A@60%	630A@60%
Rated Output No-Load Voltage	V	69	78	78
Output Current Range	A	20 ~ 400	20 ~ 500	20 ~ 630
Group Control (SMARC IoT)	/	Optional		
Enclosure Protection Grade	/	IP23		
Insulation Grade	/	H (Transformer Class F)		
Ambient Operating Temperature	℃	- 10℃ ~ 40℃(Welding power source can start up at - 39℃)		
Cooling Method	/	Forced cooling		
Dimensions (L x W x H)	mm	522*264*511	665 *295*553	665 *295*553
Weight	kg	27	31	32.5