

ST400/500/630

Full-digital IGBT Inverter MMA Machine



- ☒ Gouging
- ☒ U-disk Upgrade
- ☒ MMA
- ☒ RFID
- ☒ SMARC IoT

Product Features

- Suitable for welding of various acidic, alkaline, stainless steel and low-hydrogen rods
- Input voltage allows fluctuation range up to $\pm 25\%$
- Being satisfied with long-distance operations, and stable welding is ensured when cable is extended to 100 meters
- Adjustment for thrusting current and arc initiation current can improve welding performance
- Equipped with VRD electric shock protection function to ensure safe welding
- ST500&ST630 has gouging function(maximum 12mm carbon rod for ST630)
- Enclosure protection level reaches IP23 and high-reliability design for harsh environments

Application

Widely used in petrochemical industry, electric power construction, building construction, shipbuilding, steel structure and many other industries.



U-Disk Interface

- To ensure customers conveniently obtaining Megmeet's foremost welding programs and function customization;
- Welding machine can be upgraded through U disk.



RFID Card Linking

- RFID card swiping function enables quick linking between welder and welding machines;
- Coordinated with SMARC IoT welding information cloud-platform to realize more intelligent functions as: parameter issue, welding hours statistics, welding parameter traceability, etc.



Technical Specification

Manual Models	ST400	ST500	ST630
Control Mode	Full Digital	Full Digital	Full Digital
Rated Input Voltage	3 Phase AC 380V(±25%)	3 Phase AC 380V(±25%)	3 Phase AC 380V(±25%)
Input Frequency	50~60Hz	50~60Hz	50~60Hz
Rated Input Power	17.1KVA/16.3KW	23.6KVA/22.2KW	32.4KVA/30.4KW
Power Factor	0.95	0.94	0.94
Efficiency	0.885	0.9	0.91
Energy Efficiency	Class A	Class A	Class A
Rated OCV	63V	73V	78V
Rated Output Current	400A	500A	630A
Rated Output Voltage	34V	40V	44V
Rated Current Range	30~400A	30~500A	30~630A
Thrusting Current Range	0~200A	0~200A	0~200A
Arc Initiation current Range	0~200A	0~200A	0~200A
Duty Cycle	400A@60%	500A@100%	630A@100%
Protection Against Lightening	Class D	Class D	Class D
Insulation Grade	F (Reactor H)	F (Reactor H)	F (Reactor H)
Ingress Protection	IP23	IP23	IP23
Working Temperature	-10°C~+40°C	-10°C~+40°C	-10°C~+40°C
Dimension (L×W×H)	684×320×580mm	684×320×580mm	684×320×580mm
Gross Weight	34kg	37kg	38kg
Extended function			
SMARC IoT (Optional)	√	√	√
USB Upgrade	√	√	√

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