



MMA DC IGBT Inverter 1 Phase



Power 140 i

Power 180 i

Main Applications

- Suitable for small workshop
- Maintenance and repair
- Mechanical and Electrical

Advantageous

- MMA with IGBT Inverter technology
- Stable welding current and less welding spatter
- Automatic Arc Force and Anti Stick Technology
- Compact design and light in weight

MMA	Power 140 i	Power 180 i
Weldable electrodes	1.6 - 3.2 mm	1.6 - 4.0 mm
Material thickness	1 - 4 mm	1 - 6 mm

TIG	Power 140 i	Power 180 i
Tungsten range	1.0 - 1.6 mm	1.0 - 2.4 mm
Material thickness	1 - 2 mm	1 - 3 mm

Specifications	Power 140 i	Power 180 i
Welding range	20 - 140 A	10 - 180 A
Load voltage	20.8 - 25.6 V	20.8 - 27.2 V
No load voltage	56 V	62 V
Current at 60 % (40° C)	140 A	180 A
Current at 100 % (40° C)	110 A	139 A
Input power at 100 %	5.5 KVA	7.6 KVA
Input current at 100 %	17.8 A	24.4 A
Input phase	1 P	1 P
Main voltage, Tolerance	220 V, ± 10 %	220 V, ± 10 %
Power factor	0.76	0.76
Protection class	IP 23	IP 23
Insulation	F	F
Cooling	F	F
Dimensions (L x W x H)	350 x 190 x 270 mm	460 x 230 x 350 mm
Weight	5.5 Kg	7 Kg

Item Code	Item Name
108.04.001	MMA Inverter - Power 140 i <ul style="list-style-type: none"> • Plug to Ground, 16 mm² at 1.5 m • Plug to Electrode Holder, 16 mm² at 2 m
108.04.002	MMA Inverter - Power 180 i <ul style="list-style-type: none"> • Plug to Ground, 25 mm² at 1.5 m • Plug to Electrode Holder, 25 mm² at 2 m



Item Code	Item Name	MoQ		
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Optional Accessories for GTAW / TIG

208.17.006	Tig Torch - WP 17 V-25-2 at 8 m	1 Set	•	•
208.17.007	Tig Torch - WP 26 V-25-2 at 8 m	1 Set	•	•
201.23.001	Argon Gas Regulator	1 Pcs	•	•
203.01.004	Plug - Trak-SK 10-25 mm	2 Pcs	•	
203.01.005	Plug - Trak-SK 35 mm	2 Pcs		•

General Accessories

208.18.001	Torch Holder - TIG	1 Pcs	•	•
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs	•	•



Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
	4.0	2.4	140 - 180	7
Copper	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6