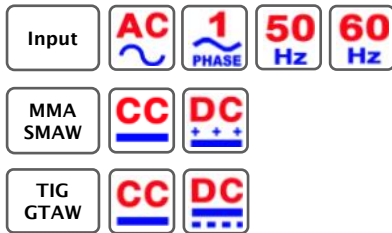




MMA DC IGBT Inverter 1 Phase - S series



S 141 i

S 161 i

S 201 i

Main Applications

- Installations and outfitting
- Repair and maintenance
- Chemical and process industry
- Mechanical and electrical

Advantageous

- MMA / SMAW DC Inverter welding machine, feature exceptional ignition and welding properties
- Compact design and minimal weight, ideally use for small workshop, site environment, etc
- IGBT Inverter Technology for more durability compared with previous generation
- Can weld cellulose electrode for S 161 i & S 201 i
- Automatic Hot Start and Anti Stick functions for all machines
- Automatic Arc Force for S 141 i and adjustable Arc Force for S 161 i and S 201 i
- Digital display for accurate welding current adjustment
- Selector switch for Tig welding with Lift Arc ignition

MMA	S 141 i	S 161 i	S 201 i
Electrode range	1.6 - 3.2 mm	1.6 - 4.0 mm	1.6 - 5.0 mm
Material thickness	1 - 4 mm	1 - 5 mm	1 - 8 mm

TIG	S 141 i	S 161 i	S 201 i
Tungsten range	1.6 - 2.4 mm	1.6 - 2.4 mm	1.6 - 3.2 mm
Material thickness	1 - 2 mm	1 - 3 mm	1 - 4 mm

Specifications	S 141 i	S 161 i	S 201 i
Welding range	10 - 140 A	10 - 160 A	10 - 200 A
Load voltage	20.4 - 25.6 V	20.4 - 26.4 V	20.4 - 28 V
Open circuit voltage	56 V	81 V	81 V
Duty cycle at 60 % (40°C)	140 A	-	-
Duty cycle at 80 % (40°C)	110 A	160 A	200 A
Duty cycle at 100 % (40°C)	-	140 A	180 A
Input power at 80 %	5.5 KVA	6.5 KVA	8.7 KVA
Input current at 80 %	25 A	29.5 A	39.4 A
Input phase	1 Phase	1 Phase	1 Phase
Main voltage, Tolerance	220 V, ± 10 %	220 V, ± 10 %	220 V, ± 10 %
Power factor	0.96	0.97	0.97
Index protection	IP 23	IP 23	IP 23
Insulation class	F	F	F
Cooling	F	F	F
Dimensions (L x W x H)	450 x 180 x 285 mm	450 x 180 x 285 mm	490 x 220 x 395 mm
Weight	8.6 Kg	9.8 Kg	12.7 Kg

Item Code	Item Name	MoQ
101.01.004.1	S 141 i MMA Package	1 Set
101.01.005.1	S 161 i MMA Package	1 Set
101.01.006.1	S 201 i MMA Package	1 Set

Item Code	Item Name	MoQ			
Standard Accessories					
101.01.004	MMA DC Inverter - S 141i	1 Unit	•		
101.01.005	MMA DC Inverter - S 161i	1 Unit		•	
101.01.006	MMA DC Inverter - S 201i	1 Unit			•
201.11.001	Plug to Electrode Holder 400 A, 35 mm ² at 3 m - Inverter	1 Set	•	•	•
201.11.003	Plug to Ground Clamp 300 A, 35 mm ² at 3 m - Inverter	1 Set	•	•	•

Optional Accessories for SMAW / MMA

208.03.009	Plug to Electrode Holder 400 A, 35 mm ² at 5 m	1 Set	•	•	•
208.03.010	Plug to Electrode Holder 400 A, 35 mm ² at 10 m	1 Set	•	•	•
208.04.009	Plug to Ground Clamp 200 A, 35 mm ² at 5 m	1 Set	•	•	•

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	•	•	•
201.03.005	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

