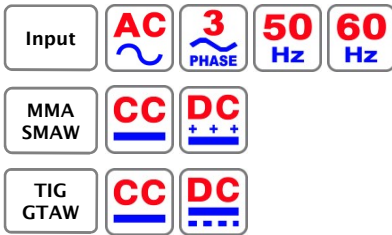




SMAW / MMA DC IGBT Inverter S Series 3 P



Main Applications

- Shipyards
- Metal tanks
- Steel fabricator
- Construction
- Sheet metal
- Medium to heavy industries
- Chemical and process industry
- Mechanical and electrical

Advantageous

- MMA / SMAW DC Inverter welding machine, feature exceptional ignition and welding properties
- Compact and robust design, user friendly panel design
- IGBT Inverter Technology for more durability
- Can weld cellulose electrode
- Adjustable hot start for easily starting welding current
- Adjustable arc force for easily control the arc
- Anti stick function to cut down the welding current to minimum when the electrode is stuck to the work-piece for safety
- Digital display for accurate welding amperage adjustment
- Selector switch for Tig welding with Lift Arc ignition
- Remote control device for S 350 i and S 500 i

MMA	S 280 i	S 350 i	S 500 i
Electrode range	1.6 - 6.0 mm	1.6 - 8.0 mm	1.6 - 10.0 mm
Material thickness	1 - 12 mm	1 - 16 mm	1 - 20 mm

TIG	S 280 i	S 350 i	S 500 i
Tungsten range	1.6 - 4.0 mm	1.6 - 4.0 mm	1.6 - 4.0 mm
Material thickness	1 - 6 mm	1 - 8 mm	1 - 10 mm

Specifications	S 280 i	S 350 i	S 500 i
Welding range	10 - 280 A	20 - 350 A	20 - 500 A
Load voltage	20.8 - 31.2 V	20.8 - 34 V	20.8 - 40 V
Open circuit voltage	81 V	81 V	81 V
Duty cycle at 100 % (40°C)	250 A at 30 V	350 A at 34 V	500 A at 40 V
Duty cycle at 80 % (40°C)	280 A at 31.2 V	-	-
Duty cycle at 60 % (40°C)	-	-	-
Duty cycle at 40 % (40°C)	-	-	-
Input power at 80 %	9.5 KVA	15 KVA	25 KVA
Input current at 80 %	17 A	23 A	38 A
Input phase	3 Phase	3 Phase	3 Phase
Main voltage, Tolerance	380 V, ±15 %	380 V, ±20 %	380 V, ±20 %
Power factor	0.93	0.93	0.93
Index protection	IP 23	IP 23	IP 23
Insulation class	F	F	F
Cooling	F	F	F
Dimensions (L x W x H)	490 x 220 x 395 mm	600 x 360 x 580 mm	600 x 360 x 580 mm
Weight	20 Kg	31 kg	35 kg

Item Code	Item Name	MoQ
101.02.006.1	S 280 i - MMA DC IGBT Inverter	1 Set
101.02.004.1	S 350 i - MMA Package	1 Set
101.02.005.1	S 500 i - MMA Package + Remote control RC-02	1 Set



Remote Control RC-02

Item Code	Item Name	MoQ			
Standard Accessories					
201.11.017	Lug to Ground Clamp 600 A, 50 mm ² at 3 m S Series IGBT Inverter	1 Set	•		
201.11.018	Lug to Electrode Holder 400 A, 50 mm ² at 3 m S Series IGBT Inverter	1 Set	•		
208.08.007	Lug to Ground Clamp 600 A, 50 mm ² at 5 m	1 Set		•	•
208.07.008	Lug to Electrode Holder 400 A, 50 mm ² at 5 m	1 Set		•	•

Standard Alternative

208.07.001	Lug to Electrode Holder 600 A, 70 mm ² at 5 m	1 Set			•
208.07.002	Lug to Electrode Holder 600 A, 70 mm ² at 10 m	1 Set			•
208.07.003	Lug to Electrode Holder 600 A, 70 mm ² at 20 m	1 Set			•
208.07.006	Lug to Electrode Holder 400 A, 50 mm ² at 10 m	1 Set		•	
208.07.007	Lug to Electrode Holder 400 A, 50 mm ² at 20 m	1 Set		•	
208.08.004	Lug to Ground Clamp 600 A, 70 mm ² at 5 m	1 Set			•
208.08.005	Lug to Ground Clamp 600 A, 70 mm ² at 10 m	1 Set			•
208.08.006	Lug to Ground Clamp 600 A, 70 mm ² at 15 m	1 Set			•
208.08.008	Lug to Ground Clamp 600 A, 50 mm ² at 10 m	1 Set		•	

Optional Accessories

208.17.006	Tig Torch - Air Cooled - WP 17 V - 25-2 at 8 m	1 Set	•	•	•
208.17.007	Tig Torch - Air Cooled - WP 17 V - 25-2 at 8 m	1 Set	•	•	•
201.23.001	Argon Gas Regulator	1 Pc	•	•	•
201.22.009	Welding Helmet - Solarmatic Blue		•	•	•
201.22.010	Welding Helmet - Solarmatic Red		•	•	•
201.22.011	Welding Helmet - Solarmatic Green		•	•	•
201.27.003	Gouging Torch G4 - 1000 A - 2.1 m / 7 feet	1 Set		•	•



Material	Thickness mm	Tungsten Ø mm	Welding Current A	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