

Sigma Weld SW600

Specifications/ Models	SW 600 MT	SW 600 HF	SW 600 PT	SW 600 UD Without HF	SW 600 PW Without HF
Rated Input Voltage	3- phase 415+10% 50 / 60 Hz	3- phase 415+10% 50 / 60 Hz	3- phase 415+10% 50 / 60 Hz	3- phase 415+10% 50 / 60 Hz	3- phase 415+10% 50 / 60 Hz
Rated Power (KVA) at 100%	32 KVA	22 KVA	22 KVA	22 KVA	22KVA
Rated Current Duty Cycle	40% @ 600 A. 100% @ 380 A	40% @ 600 A 100% @ 350 A	40% @ 600 A 100% @ 350 A	40% @ 600 A 100% @ 350 A	40% @ 600 A 100% @ 350 A
OCV - DC	85 V (nominal) 20 V (energy saving mode)	80 V (nominal) 20 V (energy saving mode)	80 V (nominal) 20 V (energy saving mode)	80 V (nominal) 20 V (energy saving mode)	80 V (nominal) 20 V (energy saving mode)
Energy Save	In Built	In Built	In Built	In Built	In Built
Protection:					
1) Thermal Shutdown	Yes	Yes	Yes	Yes	Yes
2) Under Voltage	Yes	Yes	Yes	Yes	Yes
3) Over Current	Yes	Yes	Yes	Yes	Yes
4) IGBT Peak Current	Yes	Yes	Yes	Yes	Yes
Cooling	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling
Output Current Range	40 -600 A	8 -600 A	8 -600 A	8 -600 A	8 -600 A
Ignition Type	Lift - Arc (Contact)	HF / Lift - Arc (Non - Contact)	HF / Lift - Arc (Non - Contact)	Lift - Arc (Contact)	Lift - Arc (Contact)
Arc Force	Auto adjusted	Auto adjusted	Auto adjusted	Auto adjusted	Auto adjusted
Hot Start Current	30%	30%	30%	30%	30%
Hot Start Duration (Approx)	300 m Sec.	300 m Sec.	300 m Sec.	300 m Sec.	300 m Sec.
Arc Breaking Control	In built	In built	In built	In built	In built
Peak Current	600 A	600 A	600 A	600 A	600 A
High Frequency :					
1) Up Slope Time	-	0.1 - 10.0 Sec	0.1 - 10.0 Sec	0.1 - 10.0 Sec	0.1 - 10.0 Sec
2) Down Slope Time	-	0.1 - 10.0 Sec	0.1 - 10.0 Sec	0.1 - 10.0 Sec	0.1 - 10.0 Sec
Dc Pulse TIG :					
1) Base Current	-		8A - 100% of peak current		8A - 100% of peak current
2) Peak Time	-		0.1 - 10.0 Sec		0.1 - 10.0 Sec
3) Base Time	-		0.1 - 10.0 Sec		0.1 - 10.0 Sec
Gas Pre - Flow	-	In built	In built	In built	In built
Gas Post Flow	-	1.0 Sec/20 A	1.0 Sec/20 A	1.0 Sec/20 A	1.0 Sec/20 A
D x W x H	600mm X 400mm X 650mm	600mm X 400mm X 650mm	600mm X 360mm X 650mm	600mm X 400mm X 650mm	600mm X 400mm X 650mm
Digital Ammeter	In built	In built	In built	In built	In built
Process Memory Recall	In built	In built	In built	In built	In built
Gas Solenoid Valve	Optional	In built	In built	In built	In built
Water cooling for TIG torch	Optional	Optional	Optional	Optional	Optional

Continual development can lead to change in specification