

STIGMA3000 SERIES

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◆ 3/3 PHASE 30-900KVA IGBT RECTIFIER MODULAR ONLINEUPS

GENERAL SPECIFICATIONS

- ◆ 3 Level topology
- ◆ Modular design with N+X redundancy
- ◆ Online hot swapping, by-pass and power module feature
- ◆ Optional dual input
- ◆ High power density with footprints of less than 2m² up to 900kVA in parallel, 30kVA power module with only 3U height
- ◆ High power density of 600kVA in one single cabinet, 30kVA power module with only 3U height
- ◆ Green and energy saving: AC/AC efficiency > 95%, input power factor > 0.99 while input THDi < 3%
- ◆ Full DSP control of high stability, reliability and safety
- ◆ Integrated IGBT module with improved performance and reduced size
- ◆ Excellent input performances for complete compatibility with input PF of 99% and wide range of voltage



		TECHNICAL SPECIFICATIONS		
MODEL		STGM3180/30	STGM3300/30	STGM3600/30
Capacity		30 -900kVA		30 -600kVA
Power module type		TPM30 (30kVA/27kW)		
INPUT				
Phase		3 Phases + Neutral + Ground		
Voltage		380V/400V/415V (line to line)		
Frequency		50Hz / 60Hz		
Power factor		> 0.99		
THDI		THDi < 3% @ 100% linearload		
Voltage Range		304~478Vac (Line-Line) full load, 228V~304Vac (L-L) load decrease linearly to the min phase voltage		
Frequency range		40Hz~70Hz		
OUTPUT				
Voltage		380V/400V/415V		
Voltage regulation		1.5%		
THDu		THD < 1% (linear load), THD < 6% (none linear load)		
Power factor		0.9		
Crest factor		3:1		
Overload capability		1 hour for 110% load; 10 minutes for 125% load; 1 minutes for 150% load; 200ms for > 150% load		
BATTERY				
Voltage		± 240 VDC for 40 batteries (selectable battery number 36-44)		
Charge power		20%*System Power		
Charge voltage precision		± 1%		
SYSTEM				
Parallel (cabinet)		5	3	0
System efficiency		Normal mode: 95% ; ECO mode: 99% ; Battery mode: 95%		
Display		10.4" LCD + LED, Color touch screen + Keyboard		
IP Class		IP20		
Interface		Standard: RS232, RS485, Dry contacts, USB; Optional: SNMP		
Operation/storage temp.		0 ~ 40°C / -40~ 70°C		
Relative humidity		0 ~ 95% (non-condensing)		
Noise		65dB @100% load, 62dB @ 45% load (1 meter away)		72dB@100% load, 68dB@ 45% load
PHYSICAL				
Net weight (kg)	Cabinet	6-Slot Cabinet: 165	10-Slot Cabinet: 220	660
	Power modul	TPM30kVA: 34		
Dimension (mm) HxWxD	Cabinet	6-Slot Cabinet: 1600x600x1100	10-Slot Cabinet: 2000x600x1100	20-Slot cabinet: 2000x2000x1050
	Power module	STGM30kVA: (3U) 134x460x790		