SP Grid Tied Solar Lnverter Series

Rating: 750W - 3000W

Output Voltage: 230 VAC

Configuration: Rackmount

PowerHub Single Phase Grid Tied Solar Inverter is a new generation of PV string inverter which has been developed for residential users. MG series inverters have the advantages of compact size, light weight, easy installation and maintenance, and are above all cost efficient.

Product Highlights:

Efficient

- The core technologies are from Germany.
- Wider voltage range, lower starting voltage and higher conversion efficiency (Max efficiency can be reach to 98.3%).
- Two MPPT, adapt to the complex environment of roof, improve power generation.
- Adopt the latest technologies and combination of T-type three level topologies and SVPWM.

Reliable

- Aluminium casing, natural cooling, IP65 protection level.
- Adopt internationally famous brand components to ensure the stable operation of inverter.

Smart

- Smart grid adaptive to meet the requirements of various power grid accesses.
- Variety of monitoring modes: APP (one-button registration), large screen data monitoring center, cloud monitoring platform.
- Support RS485,GPRS,WIFI, Ethernet.

Simple

- Home appliance design, easy to operation.
- Small in size, light in weight, easy to install by a single person.

Alax DC (input power (W) 900 1200 1700 2200 3200 3300 3300 Alax DC (voltage (V)	MODEL	SGT-750M SGT-1KM SGT-1K5M SGT-2KM SGT-3KM2						
Max DC Voltage (V)	Input (DC)							
Starting voltage (Min. Department Voltage (V) 65/60 80/60 100/80 120/100	Max DC input power (W)	900	1200	1700	2200	3200	3300	
Departed No Voltage (V) 65/60 80/60 100/80 120/100 120	Max DC Voltage (V)	400		450		500	600	
Starting Power (W) 30 120-410 120-450 120-550	Starting voltage /Min.							
### ACC Current (A) Per ### AVA.DC Current (A) Per Per Per ### AVA.DC Current (A) Per	Operation Voltage (V)	65/60 80/60 100/80 120/100						
Voltage Range (V) 60-350 80-400 100-410	Starting Power (W)		•		30			
String Per MPPT	MPPT Operating Voltage Range (V)	60-350	80-400	100-410	120-410	120-450	120-550	
## Number of MPPT 10x1 10x1 10x1 13x1 15x1 10x2	Number of MPPT/ String Per MPPT	1/1				1/2	2/1	
Communication Communicatio	MAX.DC Current (A) Per	10x1	10x1	10x1	13v1	15x1	10x2	
Dulput (AC) Acted Power (W) 750 1000 1500 2000 3000		10/1	10/1			15/1	10%2	
Rated Power (W) 750 1000 1500 2000 3000					S. STIGI			
Max. AC Output Current (A) 3.6 4.5 5.5 9 13 16 230/180×277Vac According to VDE-AR-Na105, G83/2, C10/11, TF3.2.1, AS4777/3100, CQC Soltz (44~55Hz) / 60Hz (54~65Hz) Soltz (44~5Hz) / 60Hz (54~65Hz) Soltz (44~55Hz) / 60Hz (54~65Hz) Soltz (44~5Hz) / 60Hz (54~65Hz) Soltz (44~65Hz) / 60Hz (54~65Hz) Soltz (44~65Hz		750	1000	1500	2000	3000	3000	
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According to VDE-AR-N4105, G83/2, C10/11, TF3.2.1, AS4777/3100, CQC SOHz (44~SSHz) / 60Hz (54~6SHz)								
Solta (44~55Hz) / 60Hz (54~65Hz)	AC Voltage Range	·						
According to VDE-AR-N4105, G83/2, C10/11, TF3.2.1, AS4777/3100, CQC Power Factor 20.99 (Adjustable) FHD								
Solution Single-phase (L, N, PE) Single-phase (L, N, PE)	Grid Frequency							
Connection Single-phase (L, N, PE) Sin								
Single-phase (L, N, PE)		` • /						
Natural cooling		· · ·						
Natural cooling				Single pin	use (2) 11) 1 2)			
Max. Effiency 96.80% 96.90% 97.20% 97.20% 97.30% 97.90% Euro. Efficiency 95.95% 96.00% 96.10% 96.10% 96.50% 96.80% MPPT Efficiency 99% Ingress Protection IP65 Consumption At Night < 1W Solation Mode Transformerless Operating Temperature -25 ~+60, (derate after 45) Over voltage protect; pC insulation monitoring; DC over current Protection; Grounding fault monitoring; Order to current protection; Grounding fault monitoring; order protection; island protection; Overheating protection; Overvoltage and short circuit protection etc. Display And Communication Display English, Chinese, German, Dutch R5485 (Standard), WiFi, Ethernet (Optional) Mechanical Parameters Dimension (H x W x D mm) 280x300x138 460x360x160 Weight (kg) 9.5 17 Installation Wall mounting DC Terminal BC03A, BC03B (PV-CF-S2, 5-6 (+); PV-CM-S2, 5-6 (-), Helios H4 2.5mm²) Corrections VDE-AR-N4105, G83/2, C10/11, TF3.2.1, AS4777/3100, CQC, EN61000-6-1:4,		Natural cooling						
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Grid protection; island protection; Overheating protection; Overvoltage and short circuit protection etc. Display And Communication Display LED Display (standard) /LCD (Optional) System Language English, Chinese, German, Dutch RS485 (Standard), WiFi, Ethernet (Optional) Mechanical Parameters Dimension (H x W x D mm) Weight (kg) System Language Weight (kg) System Language BO3A, BC03B (PV-CF-S2, 5-6 (+); PV-CM-S2, 5-6 (-), Helios H4 2.5mm²) VDE-AR-N4105, G83/2, C10/11, TF3.2.1, AS4777/3100, CQC, EN61000-6-1:4,	Relative Humidity							
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 $^{^{\}star}$ Specifications are subject to change without prior notice

