solis

GINLONG TECHNOLOGIES CO.,LTD.

S6-GR1P(4-5)K-S

Solis Single Phase Grid-Tied Inverters

Features:

- String current up to 16A

- Integrated with zero export power control function

- Light weight with compact design for easy installation

- 2 MPPT design with precise MPPT algorithm

Models:

S6-GR1P4K-S

S6-GR1P5K-S

NEW

DATASHEET

S6-GR1P(4-5)K-S

Models	4K	5K
Input DC		
Recommended max. PV power	6 kW	7.5 kW
Max. input voltage	550 V	
Rated voltage	330 V	
Start-up voltage	100 V	
MPPT voltage range	90 - 550 V	
Max. input current	16 A / 16 A	
Max. short circuit current	22 A / 22 A	
MPPT number / Max. input strings number	2 / 2	
Output AC		
Rated output power	4 kW	5 kW
Max. apparent output power	4 kVA	5 kVA
Max. output power	4 kW	5 kW
Rated grid voltage	1/N/PE, 220 V / 230 V	
Rated grid frequency	50 Hz / 60 Hz	
Rated grid output current	18.2 A / 17.4 A	22.7 A / 21.7 A
Max. output current	18.2 A	22.7 A
Power factor	> 0.99 (0.8 leading - 0.8 lagging)	
THDi	< 3%	
DC injection current	< 0.5% In	
Efficiency		
Max. efficiency	97.6%	97.7%
EU efficiency	97.1%	97.1%
Protection		
DC reverse-polarity protection	Yes	
Short circuit protection	Yes	
Insulation resistance monitoring	Yes	
Residual current detection	Yes	
Output over current protection	Yes	
Surge protection	Yes	
Grid monitoring	Yes	
Anti-islanding protection	Yes	
Temperature protection	Yes	
Multi peak scan	Yes	
Integrated AFCI 2.0	Optional	
Integrated DC switch	Optional	
General Data		
Dimensions (W*H*D)	330 × 371 × 161 mm	
Weight	8.9 kg	
Topology	Transformerless	
Self-consumption (night)	< 1 W	
Operating ambient temperature range	- 25 ~ +60°C	
Relative humidity	0 - 100%	
Ingress protection	IP66	
Noise emission (typical)	< 20 dB(A)	
Cooling concept	Natural cooling	Natural cooling with internal fan
Max. operation altitude	4000 m	
Grid connection standard	IEC 61683, IEC 60068, IEC 61727, IEC 62116, EN 50530, IS 16169/IS 16221(BIS)	
Safety / EMC standard	IEC 62109-1/-2, IEC 61000-6-2/-3	
Features		
DC connection	MC4 connector	
AC connection	Quick connection plug	
Display	LED digital display & Bluetooth + APP	
Communication	RS485, USB, Optional: S3-WiFi-ST, S3-GRPS-ST	