



GINLONG TECHNOLOGIES CO.,LTD.

S6-GR1P(1-3)K-M

Solis Mini Series Inverters

Features:

- Max. efficiency 97.1%
- String current up to 14A
- Super high frequency switching technology
- Wide voltage range and low startup voltage
- Precise MPPT algorithm
- Integrated Export Power Manager (EPM)
- AFCI protection, proactively reduces fire risk
- Compact and lightweight
- Friendly and adaptable connection to the grid

Models:

S6-GR1P1K-M / S6-GR1P1.5K-M

S6-GR1P2K-M / S6-GR1P2.5K-M

S6-GR1P3K-M



360° View



DATASHEET

S6-GR1P(1-3)K-M

Models	1K	1.5K	2K	2.5K	3K
Input DC					
Recommended max. PV power	1.5 kW	2.3 kW	3 kW	3.8 kW	4.5 kW
Max. input voltage			600 V		
Rated voltage	200 V			330 V	
Start-up voltage	60 V			90 V	
MPPT voltage range	50-500 V			80-500 V	
Max. input current			14 A		
Max. short circuit current			22 A		
MPPT number/Max. input strings number			1/1		
Output AC					
Rated output power	1 kW	1.5 kW	2 kW	2.5 kW	3 kW
Max. apparent output power	1.1 kVA	1.65 kVA	2.2 kVA	2.75 kVA	3.3 kVA
Max. output power	1.1 kW	1.65 kW	2.2 kW	2.75 kW	3.3 kW
Rated grid voltage			1/N/PE, 220 V / 230 V		
Rated grid frequency			50 Hz / 60 Hz		
Rated grid output current	4.5 A / 4.3 A	6.8 A / 6.5 A	9.1 A / 8.7 A	11.4 A / 10.9 A	13.6 A / 13 A
Max. output current	5.2 A	8.1 A	10.5 A	13.3 A	15.7 A
Power factor			>0.99 (0.8 leading - 0.8 lagging)		
THDi			<3%		
DC injection current			<0.5% In		
Efficiency					
Max. efficiency	96.6%	96.6%	97.1%		97.1%
EU efficiency	95.3%	95.4%	96.4%		96.7%
Protection					
DC reverse-polarity protection			Yes		
Short circuit protection			Yes		
Output over current protection			Yes		
Surge protection			Yes		
Grid monitoring			Yes		
Anti-islanding protection			Yes		
Temperature protection			Yes		
Integrated AFCI (DC arc-fault circuit protection)			Yes ⁽¹⁾		
Integrated DC switch			Yes		
General Data					
Dimensions (W*H*D)			310*373*160 mm		
Weight	7.4 kg			7.7 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 convection		
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 61000-6-1/-2/-3/-4		
Features					
DC connection			MC4 connector		
AC connection			Quick connection plug		
Display			LCD		
Communication			RS485, Optional: S3-WiFi-ST, S3-GRPS-ST		

(1) Activation required.