

S6-GR1P(0.6-3.6)K-M

Solis Mini Series Inverters

Features:

- Max. efficiency 97.3%
- 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-GR1P0.6K-M / S6-GR1P0.7K-M

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

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

S6-GR1P3K-M / S6-GR1P3.6K-M



360° View



DATASHEET

S6-GR1P(0.6-3.6)K-M

Models	0.6K	0.7K	1K	1.5K	2K	2.5K	3K	3.6K
Input DC								
Recommended max. PV power	0.9 kW	1.1 kW	1.5 kW	2.3 kW	3 kW	3.8 kW	4.5 kW	5.4 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				19 A			
Max. short circuit current	22 A				24 A			
MPPT number/Max. input strings number	1/1				1/2			
Output AC								
Rated output power	0.6 kW	0.7 kW	1 kW	1.5 kW	2 kW	2.5 kW	3 kW	3.6 kW
Max. apparent output power	0.6 kVA	0.77 kVA	1.1 kVA	1.65 kVA	2.2 kVA	2.75 kVA	3.3 kVA	3.6 kVA
Max. output power	0.6 kW	0.77 kW	1.1 kW	1.65 kW	2.2 kW	2.75 kW	3.3 kW	3.6 kW
Rated grid voltage	1/N/PE, 220 V / 230 V							
Rated grid frequency	50 Hz / 60 Hz							
Rated grid output current	2.6 A	3.2 A / 3.0 A	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	16 A
Max. output current	2.6 A	4.4 A	5.2 A	8.1 A	10.5 A	13.3 A	15.7 A	16 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)							
THDi	<3%							
Efficiency								
Max. efficiency	96.6%		96.6%		97.1%		97.3%	
EU efficiency	95.3%		95.4%		96.4%		96.8%	
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	Optional							
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							
Cooling concept	Natural convection							
Max. operation altitude	4000 m							
Grid connection standard	G98 or G99, VDE-AR-N 4105 / VDE V 0124, EN 50549-1, VDE 0126 / UTE C 15 / VFR:2019, RD 1699 / RD 244 / UNE 206006 / UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA							
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4							
Features								
DC connection	MC4 connector							
AC connection	Quick connection plug							
Display	LCD							
Communication	RS485, Optional: Wi-Fi, GPRS							

(1) Activation required.