

## 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	
<b>Input DC</b>									
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
<b>Output AC</b>									
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%								
<b>Efficiency</b>									
Max. efficiency	96.6%		96.6%		97.1%	97.1%		97.3%	
EU efficiency	95.3%		95.4%		96.4%	96.7%		96.8%	
<b>Protection</b>									
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 <sup>(1)</sup>								
Integrated DC switch	Optional								
<b>General Data</b>									
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								
<b>Features</b>									
DC connection	MC4 connector								
AC connection	Quick connection plug								
Display	LCD								
Communication	RS485, Optional: Wi-Fi, GPRS								

(1) Activation required.