

## S6-GR1P(3.6-4)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-GR1P3.6K-S

S6-GR1P4K-S



# DATASHEET

## S6-GR1P(3.6-4)K-S

Models	3.6K	4K (Preliminary)
<b>Input DC</b>		
Recommended max. PV power	7.2 kW	6 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	
<b>Output AC</b>		
Rated output power	3.6 kW	4 kW <sup>(1)</sup>
Max. apparent output power	3.6 kVA	4 kVA
Max. output power	3.6 kW	4 kW
Rated grid voltage	1/N/PE, 220 V / 230 V	
Rated grid frequency	50 Hz / 60 Hz	
Rated grid output current	16.0 A / 15.7 A	18.2 A / 17.4 A <sup>(2)</sup>
Max. output current	16.0 A	18.2 A <sup>(2)</sup>
Power factor	>0.99 (0.8 leading - 0.8 lagging)	
THDi	<3%	
<b>Efficiency</b>		
Max. efficiency	97.3%	97.6%
EU efficiency	96.6%	97.1%
<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	Yes	
<b>General Data</b>		
Dimensions (W*H*D)	330*371*161 mm	
Weight	8.3 kg	8.9 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, IEC60068, IEC 61683, EN 50530, MEA, PEA	
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-3	
<b>Features</b>		
DC connection	MC4 connector	
AC connection	Quick connection plug	
Display	LED + APP	
Communication	RS485, USB, Optional: Wi-Fi, GPRS	

(1) Rated output power will be 3.68kW under G98 in Jordan.

(2) Rated grid output current and Max. output current will be limited to 16A under G98 in Jordan.

(3) Activation required.