

## 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
<b>Input DC</b>		
Recommended max. PV power	7.2 kW	8 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 A / 15.7 A	18.2 A / 17.4 A <sup>(2)</sup>
Max. output current	16 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 2.0	Optional	
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	
Noise emission (typical)	< 20 dB(A)	
Cooling concept	Natural cooling	
Max. operation altitude	4000 m	
Grid connection standard	G98, 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 digital display & Bluetooth + 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.