

## S5-GR1P(2.5-6)K

### Solis Single Phase Inverters



360 degree



### FEATURES:

- Max. efficiency 98.1%
- Super high frequency switching technology
- Wide voltage range and low startup voltage
- 2 MPPT design with precise MPPT algorithm
- Intergrated Export Power Manager (EPM)
- Integrated AFCI (DC arc-fault circuit protection)
- Maximum string input current 12.5A
- Compact and lightweight
- Friendly and adaptable connection to the grid



### MODEL:

S5-GR1P2.5K   S5-GR1P3K   S5-GR1P3.6K  
S5-GR1P4K   S5-GR1P4.6K   S5-GR1P5K  
S5-GR1P6K

## DATASHEET

Model Name	S5-GRIP2.5K	S5-GRIP3K	S5-GRIP3K	S5-GRIP4K	S5-GRIP4.6K	S5-GRIP5K	S5-GRIP6K
<b>Input DC</b>							
Recommended max. PV power	3 kW	3.5 kW	4.2 kW	4.6 kW	5.3 kW	5.8 kW	6.6 kW
Max. input voltage	550 V	600 V					
Rated voltage	250 V	330 V					
Start-up voltage	60 V	120 V					
MPPT voltage range	50-450 V	90-520 V					
Max. input current	12.5 A / 12.5 A						
Max. short circuit current	17.2 A / 17.2 A						
MPPT number/Max. input strings no	2/2						
<b>Output AC</b>							
Rated output power	2.5 kW	3 kW	3.6 kW	4 kW	4.6 kW	5 kW	6 kW
Max. apparent output power	2.8 kVA	3.3 kVA	4 kVA	4.4 kVA	5 kVA	5 kVA	6 kVA
Max. output power	2.8 kW	3.3 kW	4 kW	4.4 kW	5 kW	5 kW	6 kW
Rated grid voltage	1/N/PE, 220 V / 230 V						
Rated grid frequency	50 Hz / 60 Hz						
Rated grid output current	11.4 A / 10.9 A	13.6 A / 13.0 A	16.0 A / 15.7 A	18.2 A / 17.4 A	20.9 A / 20.0 A	22.7 A / 21.7 A	27.3 A
Max. output current	13.3 A	15.7 A	16.0 A	21.0 A	23.8 A	25.0 A	27.3 A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)						
THDi	<3%						
<b>Efficiency</b>							
Max. efficiency	97.8%			98.1%			
EU efficiency	97.1%			97.3%			
<b>Protection</b>							
DC reverse-polarity protection	Yes						
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	Yes*						
Integrated DC switch	Optional						
<b>General Data</b>							
Dimensions (W*H*D)	310*543*160 mm						
Weight	11.5 kg						
Topology	Transformerless						
Self consumption (night)	<1 W						
Operating ambient temperature range	- 25 +60°C						
Relative humidity	0-100%						
Ingress protection	IP65						
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, TOR, 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 61000-6-2/-3						
<b>Protection</b>							
DC connection	MC4 connector						
AC connection	Quick connection plug						
Display	LCD						
Communication	RS485, Optional: Wi-Fi, GPRS						