

# S5-GR1P(2.5-6)K

Solis Single Phase Inverters



360 degree

## Features:

- ▶ Max. efficiency 97.7%
- ▶ Max. input current **14A**
- ▶ Complies with all state network requirements
- ▶ Integrate with adjustable Volt-Watt and Volt-Var function
- ▶ DRM integrated, fully comply with AS/NZS 4777.2:2020
- ▶ Built-in DC-PV2 Switch (optional), comply with AS/NZS 5033 requirements
- ▶ Support 24h consumption monitoring with a smart meter
- ▶ Super high frequency switching technology
- ▶ 2 MPPT design with precise MPPT algorithm
- ▶ Integrated Export Power Manager(EPM)
- ▶ Compact and lightweight
- ▶ Voltage active power and reactive power



## Model:

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

## Datasheet

Model Name	S5-GR1P2.5K	S5-GR1P3K	S5-GR1P3.6K	S5-GR1P4K	S5-GR1P4.6K	S5-GR1P5K	S5-GR1P6K
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### Input DC

Recommended max. PV power	3.3 kW	4 kW	4.8 kW	5.3 kW	6.1 kW	6.7 kW	8 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	14 A / 14 A						
Max. short circuit current	22 A / 22 A						
MPPT number/Max. input strings number	2/2						

### Output AC

Rated output power	2.5 kW	3 kW	3.6 kW	4 kW	4.6 kW	5 kW	6 kW
Rated apparent output power	2.5 kVA	3 kVA	3.6 kVA	4 kVA	4.6 kVA	5 kVA	6 kVA
Max. apparent output power	2.5 kVA	3 kVA	3.6 kVA	4 kVA	4.6 kVA	5 kVA	6 kVA
Max. output power	2.5 kW	3 kW	3.6 kW	4 kW	4.6 kW	5 kW	6 kW
Rated grid voltage	1/N/PE, 230 V						
Rated grid frequency	50 Hz						
Rated continuous output current	13.3 A	15.7 A	16 A	21 A	23.8 A	25 A	27.3 A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)						
THDi	<5%						

### Efficiency

Max. efficiency	97.3%	97.3%		97.6%		97.7%	
EU efficiency	96.5%	96.6%		97.1%		97.1%	

### 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 DC switch	Optional (PV2 Switch)						

### General Data

Dimensions (W*H*D)	310*543*160 mm						
Weight	11 kg	11.2 kg			12 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	2000 m						
Grid connection standard	AS/NZS 4777.2:2020, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530						
Safety/EMC standard	IEC 62109-1/-2, IEC 61000-6-2/-3						

### Features

DC connection	MC4 connector						
AC connection	Quick connection plug						
Display	LCD						
Communication	RS485, Optional: Wi-Fi, GPRS						
Country of manufacture	China						