

S5-GR1P(7-10)K

Solis Single Phase Inverters



Features:

- ▶ Max. efficiency 98.0%
- ▶ 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, comply with AS/NZS 5033 requirements
- ▶ Support 24h consumption monitoring with a smart meter
- ▶ Super high frequency switching technology
- ▶ 3 MPPT design with precise MPPT algorithm
- ▶ AFCI protection, proactively reduces fire risk
- ▶ Integrated Export Power Manager(EPM)
- ▶ Compact and lightweight
- ▶ Voltage active power and reactive power



Model:

S5-GR1P7K

S5-GR1P8K

S5-GR1P9K

S5-GR1P10K

Datasheet

Model Name	S5-GR1P7K	S5-GR1P8K	S5-GR1P9K	S5-GR1P10K
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Input DC

Recommended max. PV power	9.3 kW	10.6 kW	12 kW	13.3 kW
Max. input voltage	600V			
Rated voltage	330V			
Start-up voltage	120V			
MPPT voltage range	100-500V			
Max. input current	14 A / 14 A / 14 A			
Max. short circuit current	22 A / 22 A / 22 A			
MPPT number/Max. input strings number	3/3			

Output AC

Rated output power	7 kW	8 kW	9 kW	10 kW
Rated apparent output power	7 kVA	8 kVA	9 kVA	10 kVA
Max. apparent output power	7 kVA	8 kVA	9 kVA	10 kVA
Max. output power	7 kW	8 kW	9 kW	10 kW
Rated grid voltage	1/N/PE, 230 V			
Rated grid frequency	50 Hz			
Rated grid output current	33.7 A	36.6 A	41.3 A	45.9 A
Max. output current	33.7 A	36.6 A	41.3 A	45.9 A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)			
THDi	<3%			

Efficiency

Max. efficiency	98.0%
EU efficiency	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	Yes (PV2 Switch)
Integrated AFCI (DC arc-fault circuit protection)	Yes ⁽¹⁾

General Data

Dimensions (W*H*D)	333*579*253 mm
Weight	18.5 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	AS/NZS 4777.2:2020, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4

Features

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

(1) Activation required.