

S5-GR1P(0.7-3)K-M

Solis Mini Series Inverters



360 degree

Features:

- ▶ Max. efficiency 97.1%
- ▶ 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
- ▶ Precise MPPT algorithm
- ▶ Integrated Export Power Manager (EPM)
- ▶ Compact and lightweight
- ▶ Voltage active power and reactive power



Model:

S5-GR1P0.7K-M	S5-GR1P1K-M
S5-GR1P1.5K-M	S5-GR1P2K-M
S5-GR1P2.5K-M	S5-GR1P3K-M

Datasheet

Model Name	S5-GR1P0.7K-M	S5-GR1P1K-M	S5-GR1P1.5K-M	S5-GR1P2K-M	S5-GR1P2.5K-M	S5-GR1P3K-M
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Input DC

Recommended max. PV power	0.93 kW	1.33 kW	2 kW	2.6 kW	3.33 kW	4 kW
Max. input voltage	600 V					
Rated voltage	200 V			330 V		
Start-up voltage	60 V			90 V		
MPPT voltage range	50-500 V			80-500 V		
Max. input current	14 A					
Max. short circuit current	22 A					
MPPT number/Max. input strings number	1/1					

Output AC

Rated output power	0.7 kW	1 kW	1.5 kW	2 kW	2.5 kW	3 kW
Max. apparent output power	0.7 kVA	1 kVA	1.5 kVA	2 kVA	2.5 kVA	3 kVA
Max. output power	0.7 kW	1 kW	1.5 kW	2 kW	2.5 kW	3 kW
Rated grid voltage	1/N/PE, 230 V					
Rated grid frequency	50 Hz					
Rated grid output current	3.0 A	4.3 A	6.5 A	8.7 A	10.9 A	13 A
Max. output current	4.4 A	5.2 A	8.1 A	10.5 A	13.3 A	15.7 A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)					
THDi	<3%					

Efficiency

Max. efficiency	96.6%	96.6%	96.6%	97.1%	97.1%	97.1%
EU efficiency	95.3%	95.4%	95.4%	96.6%	96.7%	96.7%

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*373*160 mm
Weight	7.4 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 61000-6-1/-2/-3/-4

Features

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