

Solis-1P8K-5G

Solis 5G Single Phase Inverters



Features:

- ▶ Over 98.1% Max. efficiency
- ▶ Friendly and adaptable connection to the grid
- ▶ Support 1.3 times overload, increase power generation
- ▶ Complies with Western Power, SA, VIC, QLD, and NSW grid requirements
- ▶ Lightweight, only 13.3kg – easy installation
- ▶ IP65 protection rated, suitable for outdoor installation
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available - plus access to Android and Apple apps



Model:

Solis-1P8K-5G

Datasheet

Model Name	Solis-1P8K-5G
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Input DC

Max. input power	10400W
Max. input voltage	600V
Rated voltage	330V
Start-up voltage	120V
MPPT voltage range	90-520V
Max. input current	12.5A/25A
Max. Short Circuit current	19.5A/39A
MPPT number/Max. input strings number	2/3

Output AC

Rated output power	8000W
Max. apparent output power	8000VA
Max. output power	8000W
Rated grid voltage	1/N/PE, 230V
Rated grid frequency	50Hz
Rated output current	34.8A
Max. output current	34.8A
Power Factor	>0.99 (Adjustable from 0.8 leading to 0.8 lagging)
THDi	<3%

Efficiency

Max. efficiency	98.1%
EU efficiency	97.3%

Protection

DC reverse-polarity protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
Surge protection (DC/AC)	Yes
Grid monitoring	Yes
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional

General Data

Dimensions (W*H*D)	310mm*543mm*180mm
Weight	13.3kg
Topology	Transformerless
Self consumption	<1W (Night)
Operating ambient temperature range	-25~60°C
Relative humidity	0~100%
Ingress protection	IP65
Cooling concept	Natural convection
Max. operation altitude	4000m
Grid connection standard	AS/NZS 4777.2
Safety/EMC standard	IEC 62109-1/-2, IEC62116 , EN 61000-6-1/-2/-3/-4

Features

DC connection	MC4
AC connection	Terminal connectors
Display	LCD, 2×20 Z.
Communication	RS485; WiFi/GPRS (optional)