

Solis-1P(7-8)K-5G

Solis 5G Single Phase Inverters



Features:

- ▶ Over 98.1% Max. efficiency
- ▶ Friendly and adaptable connection to the grid
- ▶ Support 1.1 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-1P7K-5G

Solis-1P8K-5G

Datasheet

Model Name	Solis-1P7K-5G	Solis-1P8K-5G
Input DC		
Max. input power	9100W	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	7000W	8000W
Max. apparent output power	7700VA	8000VA
Max. output power	7700W	8000W
Rated grid voltage	1/N/PE, 230V	
Rated grid frequency	50Hz	
Rated output current	30.4A	34.8A
Max. output current	33.5A	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)	