Solis-1P8K-5G

Solis 5G Single Phase Inverters

Features:

▶ Over 98.1% Max. effciency

▶ Friendly and adaptable connection to the grid

▶ Support 1.1 times overload, increase power generation

▶ Light weight 13.3 kg, Single-person maintainable installation

▶ IP65 protection grade, suitable for outdoor installation

▶ RS485, WiFi/LAN/GPRS (optional) interface

▶ WiFi monitoring available - plus access to Android and Apple apps

543mm   310mm   180mm

Model:

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Datasheet

Model Name	Solis-1P8K-5G
Input DC	
Max. DC input power(kW)	10.4
Max. DC input voltage(V)	600
Nominal DC voltage(V)	330
Start-up voltage(V)	120
MPPT voltage range(V)	90-520
Max. input current(A/B)	12.5A+25A
Max. Short Circuit current for each MPPT(A/B)	19.5A+39A
MPPT number/Max input strings number	2/A:1; B:2
Output AC	
Rated output power(kW)	8.0
Max. apparent output power(kVA)	8.0
Rated grid voltage(V)	220/230
Grid voltage range(V)	211-264
Operation phase	Single Phase
Rated output current(A)	34.8
Max. output current(A)	34.8
Power Factor (at rated output power)	0.8leading … 0.8lagging
THDi (at rated output power)	<3%
Efficiency	
Max.efficiency	98.1%
EU efficiency	97.3%
MPPT efficiency	99.5%
Protection	
DC reverse-polarity protection	Yes
Insulation resistance monitoring	Yes
Residual current detection	Yes
Surge protection	Yes
Islanding protection	Yes
Integrated DC switch	Optional
General Data	
Dimensions (mm)	310W*543H*180D
Weight (kg)	13.3
Topology	Transformerless
Self consumption (night)	<1W (night)
Operating ambient temperature range	-25℃～ +60℃
Relative humidity	0 ～ 100%
Ingress protection	IP65
Noise emission(typical)	＜ 20dB(A)
Cooling concept	Natural cooling
Max.operation altitude	4000m
Grid connection standard	EN50549, G99, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE4105-2018
Safety / EMC standard	IEC62109-1/-2, NBT32004-2018, EN61000-6-2, EN61000-6-3
Features	
DC connection	MC4
AC connection	Terminal connectors
Display	LCD, 2×20 Z.
Communication connections	RS485
Monitoring	WIFI/GPRS (optional)
Warranty	5 Years /10 Years /15 Years /20 Years