

Solis-1P7K-4G

Solis 4G Single Phase Inverters



Features:

- ▶ Solis 1P 4G Single Phase Range
- ▶ High frequency switching technology - Smaller, smarter
- ▶ Three MPPT design with precise MPPT algorithm
- ▶ Over 98.1% Max. efficiency
- ▶ RS485, WiFi/ GPRS (optional) interface
- ▶ WiFi monitoring available - plus access to Android and Apple apps



Model:

Solis-1P7K-4G

Datasheet

Model Name	Solis-1P7K-4G
Input DC	
Max. DC input power(kW)	8
Max. DC input voltage(V)	600
Nominal DC voltage(V)	330
Start-up voltage(V)	120
MPPT voltage range(V)	100-500
Max. input current(A/B/C)	10A+10A+10A
Max. Short Circuit current for each MPPT	15.6A+15.6A+15.6A
MPPT number/Max input strings number	3/A:1; B:1; C:1
Output AC	
Rated output power(kW)	7
Max. apparent output power(kVA)	7.7
Rated grid voltage(V)	220/230
Rated grid output current(A)	31.8/30.4
Max. output current(A)	33.7
Power Factor (at rated output power)	0.8leading ... 0.8lagging
THDi (at rated output power)	<1.5%
Efficiency	
Max. efficiency	98.1%
EU efficiency	97.6%
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)	333W*573H*249D
Weight (kg)	18
Topology	Transformerless
Self consumption (night)	<1W (Night)
Operating ambient temperature range	-25~60°C
Relative humidity	0~100%
Ingress protection	IP65
Noise emission(typical)	<30 dBA
Cooling concept	Natural convection
Max. operation altitude	4000m
Grid connection standard	EN50549, AS4777.2:2015, VDE0126-1-1, IEC61727, VDEN4105-2018, G99
Safety / EMC standard	IEC62109-1/-2, NBT32004-2018, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4
Features	
DC connection	MC4
AC connection	IP67 rated plug
Display	LCD, 2×20 Z.
Communication connections	4 Pin RS485 connector
Monitoring	WiFi or GPRS
Warranty	5 Years /10 Years /15 Years /20 Years