

Solis-1P(2.5-6)K-4G

Solis 4G Single Phase Inverters



Features:

- ▶ Solis 1P 4G Single Phase Range
- ▶ High frequency switching technology - Smaller, smarter
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ Intergrated Export Power Manager(EPM)
- ▶ Over 98.1% Max. efficiency
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-Android and Apple App store available

Model:

- | | |
|-----------------|---------------|
| Solis-1P2.5K-4G | Solis-1P3K-4G |
| Solis-1P3.6K-4G | Solis-1P4K-4G |
| Solis-1P4.6K-4G | Solis-1P5K-4G |
| Solis-1P6K-4G | |

Datasheet

Model Name	Solis-1P2.5K-4G	Solis-1P3K-4G	Solis-1P3.6K-4G	Solis-1P4K-4G	Solis-1P4.6K-4G	Solis-1P5K-4G	Solis-1P6K-4G
Input DC							
Max. DC input power(kW)	3	3.5	4.2	4.6	5.3	5.8	6.6
Max. DC input voltage(V)	550				600		
Start-up voltage(V)	60				120		
MPPT voltage range(V)	50-450				90-520		
Max. input current(A/B)					11A+11A		
Max. Short Circuit current for each MPPT					17.2A+17.2A		
MPPT number/Max input strings number					2/A:1; B:1		
Output AC							
Rated output power(kW)	2.5	3	3.6	4	4.6	5	6
Max. apparent output power(kVA)	2.8	3.3	4	4.4	5	5	6
Max. output power(kW)	2.8	3.3	4	4.4	5	5	6
Rated grid voltage(V)					220/230		
Rated grid frequency(Hz)					50/60		
Grid frequency range(Hz)					47-52 or 57-62		
Operation phase					Single Phase		
Rated grid output current(A)	11.4/10.9	13.6/13	16/15.7	18.2/17.4	20.9/20	22.7/21.7	27.3
Max. output current(A)	13.3	15.7	16	21	23.8A (21.7 for AUS)	25A (21.7 for AUS)	27.3
Power Factor (at rated output power)					0.8leading ... 0.8lagging		
THDi (at rated output power)					<3%		
DC injection current					<0.5%In		
Efficiency							
Max. efficiency		97.8%				98.1%	
EU efficiency		97.1%				97.3%	
MPPT efficiency							>99.5%
Protection							
DC reverse-polarity protection					Yes		
Short circuit protection					Yes		
Output over current protection					Yes		
Output over voltage protection					Yes		
Insulation resistance monitoring					Yes		
Residual current detection					Yes		
Surge protection					Yes		
Grid monitoring					Yes		
Islanding protection					Yes		
Temperature protection					Yes		
Integrated DC switch					Optional		
General Data							
Dimensions(mm)					310W*543H*160D		
Weight (kg)					11.5		
Topology					Transformer less		
Self consumption (night)					<1W (Night)		
Operating ambient temperature range					-25~60°C		
Relative humidity					0~100%		
Ingress protection					IP65		
Noise emission(typical)					<20dBA		
Cooling concept					Natural convection		
Max. operation altitude					4000m		
Designed lifetime					>20 years		
Grid connection standard					EN50438, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105, G98, G99		
Safety/EMC standard					IEC62109-1/-2, NB/T 32004, EN61000-6-1, EN61000-6-3		
Features							
DC connection					MC4		
AC connection					IP67 rated plug		
Display					LCD, 2x20 Z.		
Communication connections					4 pins RS485 connector		
Monitoring					WiFi or GPRS		
Warranty					5/ 10/ 15/ 20 Years		