

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 - plus access to Android and Apple apps

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					
Nominal DC voltage(V)	250	330					
Start-up voltage(V)	60	120					
MPPT voltage range(V)	50-450	90-520					
Full load MPPT voltage range(V)	114-400	141-520	169-520	187-520	216-520	234-520	281-520
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
Rated grid voltage(V)	220/230						
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	23.8	25	27.3
Power Factor (at rated output power)	0.8leading ... 0.8lagging						
THDi (at rated output power)	<3%						
Efficiency							
Max. efficiency	97.8%			98.1%			
EU efficiency	97.1%			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*160D						
Weight (kg)	11.5						
Topology	Transformerless						
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	EN50549, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE4105-2018, G99						
Safety / EMC standard	IEC62109-1/-2, NBT32004-2018, EN61000-6-2, EN61000-6-3						
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						