

Solis-3P(3-4)K-4G

Solis 4G Three Phase Inverters



Features:

- ▶ Solis 3P 4G Three Phase Range
- ▶ 160V-850V MPPT voltage range-ultra low startup
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ THDi<1.5%, low harmonic distortion against grid
- ▶ Over 98.3% Max. efficiency
- ▶ Multiple protections levels
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available - plus access to Android and Apple apps



Model:

Solis-3P3K-4G Solis-3P4K-4G

Datasheet

Model Name	Solis-3P3K-4G	Solis-3P4K-4G
Input DC		
Max. DC input power(kW)	3.6	4.8
Max. DC input voltage(V)	1000	
Start-up voltage(V)	180	
MPPT voltage range(V)	160-850	
Max. input current(A/B)	11A+11A	
Max. Short Circuit current for each MPPT	17.2A+17.2A	
MPPT number/Max input strings number	2/2	
Output AC		
Rated output power(kW)	3	4
Max. apparent output power(kVA)	3.3	4.4
Max. output power(kW)	3.3	4.4
Rated grid voltage(V)	400	
Rated grid frequency(Hz)	50/60	
Operation phase	Three Phase	
Rated grid output current(A)	4.3	5.8
Max. output current(A)	4.7	6.4
Power Factor (at rated output power)	0.8leading ... 0.8lagging	
THDi (at rated output power)	<1.5%	
DC injection current	<0.5%In	
Efficiency		
Max. efficiency	98.3%	98.3%
EU efficiency	97.8%	97.8%
MPPT efficiency	>99.5%	>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)	563W*310H*219D	
Weight (kg)	17.3	
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)	<30 dBA	
Cooling concept	Natural convection	
Max. operation altitude	4000m	
Designed lifetime	>20 years	
Grid connection standard	EN50549, AS4777, VDE0126-1-1, IEC61727, G98, G99	
Safety / EMC standard	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4	
Features		
DC connection	MC4	
AC connection	Terminal connectors	
Display	LCD, 2×20 Z.	
Communication connections	h4 Pin RS485 connector	
Monitoring	WiFi or GPRS	
Warranty	5 Years /10 Years /15 Years /20 Years	