

3P 4G

5kW
-
10kW

4G NEW

Solis 3P 4G Three Phase Inverter

- ▶ Solis 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 98.7% Max. efficiency
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ Multiple protections levels
- ▶ WiFi monitoring available-iphone and android app available
- ▶ 5 years standard warranty, 20 years optional upgrade



Model:

220V Solis-3P5K-4G-LV Solis-3P6K-4G-LV
400V Solis-3P5K-4G Solis-3P6K-4G Solis-3P8K-4G
Solis-3P9K-4G Solis-3P10K-4G

Features:

THDi ----- <1.5%	IP65	160-850 ----- MPPT voltage range	AFCI ----- Optional	WiFi/GPRS ----- Real time monitoring	Available on the iPhone App Store ----- Available on the Android App Store
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Datasheet

Model	Solis-3P5K-4G-LV	Solis-3P6K-4G-LV	Solis-3P5K-4G	Solis-3P6K-4G	Solis-3P8K-4G	Solis-3P9K-4G	Solis-3P10K-4G
Energy Source	PV						
Input Side(DC)							
Max. DC input power(kW)	6	7.2	6	7.2	9.6	10.8	12
Max. DC input voltage(V)	1000						
Start-up voltage(V)	180						
MPPT voltage range(V)	160-500			160-850			
Max. input current per MPPT(A/B)	11A+11A						
MPPT number/Max input strings number	2/2						
Output Side (AC)							
Rated output power(kW)	5	6	5	6	8	9	10
Max. apparent output power(kVA)	5.5	6.6	5.5	6.6	8.8	9.9	11
Max. output power(kW)	5.5	6.6	5.5	6.6	8.8	9.9	11
Rated grid voltage(V _{LL})	208/220/240			400			
Rated grid frequency(Hz)	50/60						
Operation phase	Three						
Rated grid output current@400V	13.1	15.7	7.2	8.7	11.5	13.0	14.4
Max. output current(A)	14.4	16.7	7.9	9.5	12.7	14.3	15.9
Power Factor (at rated output power)	0.8 leading ... 0.8 lagging						
THDi	<1.5%						
DC injection current	<0.5%I _n						
Grid frequency range(Hz)	47-52 or 57-62						
Efficiency							
Max. efficiency	98.0%		98.3%			98.7%	
EU efficiency	97.5%		97.8%			98.1%	
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						
Islanding protection	Yes						
Temperature protection	Yes						
Integrated DC switch	Optional						
General Data							
Dimensions(mm)	310W*538H*158D						
Weight(kg)	14.1		13.6			14.1	
Topology	Transformerless						
Self consumption (night)	<1W(Night)						
Operating ambient temperature range	-25~60°C						
Ingress protection	IP65						
Noise emission{typical}	<30 dBA						
Cooling concept	Natural convection						
Max.operation altitude	4000m						
Designed lifetime	>20 years						
Grid connection standard	En50438, G59/3, AS4777, VDE0126-1-1, IEC61727						
Relative humidity	0~100%						
Safety/EMC standard	IEC62109-1/-2, AS3100						
Features							
DC connection	MC-4 mateable						
AC connection	Terminal connectors						
Display	LCD,2×20 Z.						
Communication connections	4 pins RS485 connector						
Warranty	5 years standard (extend to 20 years)						