

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							
<b>Input Side(DC)</b>								
Max. DC input power(kW)	6	7.2	6	7.2	9.6	10.8	12	
Max. DC input voltage(V)	1000	1000	1000					
Start-up voltage(V)	180	180	180					
MPPT voltage range(V)	160-500	160-500	160-850					
Max. input current per MPPT(A/B)	11A+11A	11A+11A	11A+11A					
MPPT number/Max input strings number	2/2	2/2	2/2					
<b>Output Side (AC)</b>								
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 <sub>LL</sub> )	208/220/240	208/220/240	400	400	400	400	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	8.4	10.0	13.4	15.1	16.7	
Power Factor (at rated output power)	0.8 leading ... 0.8 lagging							
THDi	<1.5%							
DC injection current	<0.5%I <sub>n</sub>							
Grid frequency range(Hz)	47-52 or 57-62							
<b>Efficiency</b>								
Max. efficiency	98.0%		98.3%			98.7%		
EU efficiency	97.5%		97.8%			98.1%		
MPPT efficiency	>99.5%							
<b>Protection</b>								
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	Yes							
<b>General Data</b>								
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							
<b>Features</b>								
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)							