

# Solis-3P(5-10)K-4G-AU, Solis-3P(12-20)K-4G Solis-3P5K-4G-AU-MX

## Solis 4G Three Phase Inverters



### Features:

- ▶ Optional 24-hour load consumption monitoring solution
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ THDi<1.5%, low harmonic distortion against grid
- ▶ Complies with Western Power, SA, VIC, QLD, and NSW grid requirements
- ▶ Multiple protections functions
- ▶ Precise MPPT algorithm
- ▶ Integrated Export Power Manager(EPM)
- ▶ Optional AFCI function

### Model:

Solis-3P5K-4G-AU	Solis-3P6K-4G-AU	Solis-3P8K-4G-AU
Solis-3P9K-4G-AU	Solis-3P10K-4G-AU	Solis-3P12K-4G
Solis-3P15K-4G	Solis-3P17K-4G	Solis-3P20K-4G
Solis-3P5K-4G-AU-MX		

### Datasheet

Model Name	Solis-3P5K-4G-AU	Solis-3P5K-4G-AU-MX	Solis-3P6K-4G-AU	Solis-3P8K-4G-AU	Solis-3P9K-4G-AU	Solis-3P10K-4G-AU	Solis-3P12K-4G	Solis-3P15K-4G	Solis-3P17K-4G	Solis-3P20K-4G
<b>Input DC</b>										
Max. input power	10kW	10kW	12kW	12kW	13.5kW	15kW	18kW	22.5kW	24kW	24kW
Max. input voltage	1000V									
Rated voltage	600V									
Start-up voltage	180V									
MPPT voltage range	160-850V									
Max. input current	22A/11A			22A/22A						
Max. Short Circuit current	34.3A/17.2A			34.3A/34.3A						
MPPT number/Max. input strings number	2/3			2/4						
<b>Output AC</b>										
Rated output power	5kW	4.999kW	6kW	8kW	9kW	10kW	12kW	15kW	17kW	20kW
Max. apparent output power	5.5kVA	4.999kVA	6.6kVA	8.8kVA	9.9kVA	11kVA	13.2kVA	16.5kVA	18.7kVA	22kVA
Max. output power	5.5kW	4.999kW	6.6kW	8.8kW	9.9kW	11kW	13.2kW	16.5kW	18.7kW	22kW
Rated grid voltage	3/N/PE, 230/400V									
Rated grid frequency	50Hz									
Rated grid output current	7.2A	7.2A	8.7A	11.5A	13A	14.4A	17.3A	21.7A	24.6A	28.9A
Max. output current	7.9A	7.9A	9.5A	12.7A	14.3A	15.9A	19.1A	23.8A	27A	31.8A
Power Factor	>0.99 (Adjustable from 0.8 leading to 0.8 lagging)									
THDi	<1.5%									
<b>Efficiency</b>										
Max. efficiency	98.3%			98.7%						
EU efficiency	97.8%			98.1%						
<b>Protection</b>										
DC reverse-polarity protection	Yes									
Short circuit protection	Yes									
Output over current protection	Yes									
Surge protection (DC/AC)	Yes									
Grid monitoring	Yes									
Islanding protection	Yes									
Temperature protection	Yes									
<b>General Data</b>										
Dimensions (W*H*D)	563mm*310mm*219mm									
Weight	18.9kg							19.8kg		
Topology	Transformerless									
Self consumption	<1W (Night)									
Operating ambient temperature range	-25~60°C									
Relative humidity	0~100%									
Ingress protection	IP65									
Cooling concept	Intelligent redundant fan-cooling									
Max. operation altitude	4000m									
Grid connection standard	AS/NZS 4777.2									
Safety/EMC standard	IEC62109-1/-2, AS3100, EN61000-6-1/-2/-3/-4									
<b>Features</b>										
DC connection	MC4									
AC connection	Terminal connectors									
Display	LCD, 2*20 Z.									
Communication	4 Pin RS485 connector									