

Solis-3P(5-20)K-4G-AU

Solis Three Phase Inverters



360 degree

Features:

- ▶ Max. efficiency 98.7%
- ▶ Complies with all state network requirements
- ▶ Integrate with adjustable Volt-Watt and Volt-Var function
- ▶ DRM integrated, fully comply with AS/NZS 4777.2:2020
- ▶ Built-in DC-PV2 Switch (optional), comply with AS/NZS 5033 requirements
- ▶ Support 24h consumption monitoring with a smart meter
- ▶ 2 MPPT design with precise MPPT algorithm
- ▶ THDi<1.5%, low harmonic distortion against grid
- ▶ Integrated Export Power Manager(EPM)
- ▶ Multiple protections functions
- ▶ Voltage active power and reactive power



Model:

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

Datasheet

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

Recommended max. PV power	10 kW	10 kW	12 kW	12 kW	12 kW	13.5 kW	15 kW	18 kW	22.5 kW	24 kW	24 kW
Max. input voltage	1000 V										
Rated voltage	600 V										
Start-up voltage	180 V										
MPPT voltage range	160-850 V										
Max. input current	22 A / 11 A				22 A / 22 A						
Max. short circuit current	30 A / 15 A				30 A / 30 A						
MPPT number/Max. input strings number	2/2				2/4						

Output AC

[illegible]

Efficiency

Max. efficiency	98.3%	98.7%
EU efficiency	97.8%	98.1%

Protection

DC reverse-polarity protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
Surge protection	Yes
Grid monitoring	Yes
Anti-islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional (PV2 Switch)

General Data

Dimensions (W*H*D)	310*563*219 mm	
Weight	18.9 kg	19.8 kg
Topology	Transformerless	
Self consumption (night)	<1 W	
Operating ambient temperature range	-25 ~ +60°C	
Relative humidity	0-100%	
Ingress protection	IP65	
Cooling concept	Intelligent redundant fan-cooling	
Max. operation altitude	2000 m	
Grid connection standard	AS/NZS 4777.2:2020, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530	
Safety/EMC standard	IEC 62109-1/-2, IEC 61000-6-1/-2/-3/-4	

Features

DC connection	MC4 connector
AC connection	Quick connection plug
Display	LCD
Communication	RS485, Optional: Wi-Fi, GPRS
Country of manufacture	China