

Solis-1P(2.5-6)K-4G

Solis Single Phase Inverters



360 degree

Features:

- ▶ Max. efficiency 98.1%
- ▶ 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
- ▶ Super high frequency switching technology
- ▶ 2 MPPT design with precise MPPT algorithm
- ▶ Integrated Export Power Manager(EPM)
- ▶ Compact and lightweight
- ▶ Voltage active power and reactive power



Model:

Solis-1P2.5K-4G	Solis-1P3K-4G
Solis-1P3.6K-4G	Solis-1P4K-4G
Solis-1P4.6K-4G	Solis-1P5K-4G
Solis-1P5K-4G-MX	Solis-1P6K-4G

Datasheet

Model Name	Solis-1P2.5K-4G	Solis-1P3K-4G	Solis-1P3.6K-4G	Solis-1P4K-4G	Solis-1P4.6K-4G	Solis-1P5K-4G	Solis-1P5K-4G-MX	Solis-1P6K-4G
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Input DC

Recommended max. PV power	3.3 kW	4 kW	4.8 kW	5.3 kW	6.1 kW	6.7 kW	6.7 kW	8 kW
Max. input voltage	550 V	600 V						
Rated voltage	250 V	330 V						
Start-up voltage	60 V	120 V						
MPPT voltage range	50-450 V	90-520 V						
Max. input current	11 A / 11 A							
Max. short circuit current	17.2 A / 17.2 A							
MPPT number/Max. input strings number	2/2							

Output AC

Rated output power	2.5 kW	3 kW	3.6 kW	4 kW	4.6 kW	5 kW	4.999 kW	6 kW
Rated output apparent power	2.5 kVA	3 kVA	3.6 kVA	4 kVA	4.6 kVA	5 kVA	4.999 kVA	6 kVA
Max. apparent output power	2.75 kVA	3.3 kVA	4 kVA	4.4 kVA	5 kVA	5 kVA	4.999 kVA	6 kVA
Max. output power	2.75 kW	3.3 kW	4 kW	4.4 kW	5 kW	5 kW	4.999 kW	6 kW
Rated grid voltage	1/N/PE, 230 V							
Rated grid frequency	50 Hz							
Rated continuous output current	13.3 A	15.7 A	16 A	21A	23.8 A	25 A	21.7 A	27.3 A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)							
THDi	<5%							

Efficiency

Max. efficiency	97.8%			98.1%				
EU efficiency	97.1%			97.3%				

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*543*160 mm							
Weight	11.5 kg							
Topology	Transformerless							
Self consumption (night)	<1 W							
Operating ambient temperature range	-25 ~ +60°C							
Relative humidity	0-100%							
Ingress protection	IP65							
Cooling concept	Natural convection							
Max. operation altitude	2000 m							
Grid connection standard	AS/NZS 4777.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530							
Safety/EMC standard	IEC 62109-1/-2, IEC 61000-6-2/-3							

Features

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