

# Solis-1P6K-4G

## Solis 4G Single Phase Inverters



### Features:

- ▶ Super high frequency switching technology
- ▶ Optional 24-hour load consumption monitoring solution
- ▶ 2 MPPT design with precise MPPT algorithm
- ▶ Integrated Export Power Manager(EPM)
- ▶ Integrate with adjustable Volt-Watt and Volt-Var function
- ▶ Precise MPPT algorithm
- ▶ Compact and lightweight
- ▶ Optional AFCI function



### Model:

Solis-1P6K-4G

## Datasheet

Model Name	Solis-1P6K-4G
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### Input DC

Max. input power	8000W
Max. input voltage	600V
Rated voltage	330V
Start-up voltage	120V
MPPT voltage range	90-520V
Max. input current	11A/11A
Max. short circuit current	17.2A/17.2A
MPPT number/Max. input strings number	2/2

### Output AC

Rated output power	6000W
Max. apparent output power	6000VA
Max. output power	6000W
Rated grid voltage	1/N/PE, 230V
Rated grid frequency	50Hz
Rated grid output current	27.3A
Max. output current	27.3A
Power Factor	>0.99 (0.8 leading to 0.8 lagging)
THDi	<3%

### Efficiency

Max. efficiency	98.1%
EU efficiency	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

### General Data

Dimensions (W*H*D)	310*543*160 mm
Weight	11.5kg
Topology	Transformerless
Self consumption	<10W (night)
Operating ambient temperature range	-25 ~ +60°C
Relative humidity	0-100%
Ingress protection	IP65
Cooling concept	Natural convection
Max. operation altitude	4000m
Grid connection standard	AS/NZS 4777.2
Safety/EMC standard	IEC 62109-1/-2, IEC 62116 ,EN 61000-6-2/-3

### Features

DC connection	MC4 connector
AC connection	Quick connection plug
Display	LCD, 2×20 Z
Communication	RS485, Optional: Wi-Fi, GPRS