

# Solis-1P5K-4G

Solis 4G Single Phase Inverters



## Features:

- ▶ Over 98.1% Max. efficiency
- ▶ Super high frequency switching technology
- ▶ Wide voltage range and low startup voltage
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ Intergrated Export Power Manager(EPM)
- ▶ Compact and lightweight
- ▶ Friendly and adaptable connection to the grid



**Model:**  
Solis-1P5K-4G

## Datasheet

Model Name	Solis-1P5K-4G
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### Input DC

Max. input power	5.8kW
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	5kW
Max. apparent output power	5kVA
Max. output power	5kW
Rated grid voltage	1/N/PE, 220V/230V
Rated grid frequency	50Hz/60Hz
Rated grid output current	22.7A/21.7A
Max. output current	25.0A
Power Factor	>0.99 (Adjustable from 0.8 leading to 0.8 lagging)
THDi	<3%

### Efficiency

Max. efficiency	98.1%
EU efficiency	97.3%

### Protection

DC reverse-polarity protection	
Short circuit protection	Yes
Output over current protection	Yes
Surge protection (DC/AC)	Yes
Grid monitoring	Yes
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional

### General Data

Dimensions (W*H*D)	310mm*543mm*160mm
Weight	11.5kg
Topology	Transformerless
Self consumption	<1W (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	VDE-AR-N 4105, VDE V 0124, VDE V 0126-1-1, UTE C15-712-1, NRS 097-1-2, G98, G99, EN 50549-1/-2, RD 1699, UNE 206006, UNE 206007-1, IEC61727
Safety/EMC standard	IEC 62109-1/-2, IEC62116, EN 61000-6-2/-3

### Features

DC connection	MC4
AC connection	IP67 Rated plug
Display	LCD, 2×20 Z.
Communication	RS485; WiFi/GPRS (optional)