

# Solis-mini-1000-4G

Solis Mini Series Inverters



360 degree

## Features:

- ▶ 97.2% Max. efficiency
- ▶ Super high frequency switching technology
- ▶ Wide voltage range and low startup voltage
- ▶ Precise MPPT algorithm
- ▶ Intergrated Export Power Manager (EPM)
- ▶ Compact and lightweight
- ▶ Friendly and adaptable connection to the grid



## Model:

Solis-mini-1000-4G

## Datasheet

Model Name	Solis-mini-1000-4G
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### Input DC

Recommended max. PV power	1.2kW
Max. input voltage	600V
Rated voltage	200V
Start-up voltage	60V
MPPT voltage range	50-500V
Max. input current	11A
Max. short circuit current	17.2A
MPPT number/Max. input strings number	1/1

### Output AC

Rated output power	1kW
Max. apparent output power	1.1kVA
Max. output power	1.1kW
Rated grid voltage	1/N/PE, 220/230V
Rated grid frequency	50/60Hz
Rated grid output current	4.5A/4.3A
Max. output current	5.2A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)
THDi	<3%

### Efficiency

Max. efficiency	97.2%
EU efficiency	96.5%

### 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*373*160 mm
Weight	7.4kg
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, IEC 61727
Safety/EMC standard	IEC 62109-1/-2, IEC 62116, EN 61000-6-1/-2/-3/-4

### Features

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