

# Solis-mini-3000-4G

## Solis 4G Mini Series Inverters



### Features:

- High frequency switching technology-Smaller, smarter
- 24-hour load consumption monitoring
- DRM integrated, fully comply with AS4777.2:2015
- Compact and lightweight
- 80V-500V input voltage range-ultra low startup
- Over 97.5% Max. efficiency
- Precise MPPT algorithm
- Integrated Export Power Manager (EPM)
- RS485, WiFi/LAN/GPRS (optional) interface
- WiFi monitoring available-plus access to Android and Apple apps



### Model:

Solis-mini-3000-4G

## Datasheet

Model Name	Solis-mini-3000-4G
------------	--------------------

### Input DC

Max. DC input power(kW)	4.0
Max. DC input voltage(V)	600
Nominal DC voltage(V)	330
Start-up voltage(V)	90
MPPT voltage range(V)	80-500
Max. input current(A)	11A
Max. Short Circuit current for each MPPT	17.2A
MPPT number/ Max input strings number	1/1

### Output AC

Rated output power(kW)	3
Max. apparent output power(kVA)	3.3
Rated grid voltage(V)	230
Rated grid output current(A)	13
Max. output current(A)	15.7
THDi (at rated output power)	<3%

### Efficiency

Max. efficiency	97.5%
EU efficiency	96.8%
MPPT efficiency	>99.5%

### Protection

DC reverse-polarity protection	Yes
Insulation resistance monitoring	Yes
Residual current detection	Yes
Surge protection	Yes
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional

### General Data

Dimensions(mm)	310W*373H*160D
Weight (kg)	7.7
Topology	Transformerless
Self consumption (night)	<1W (Night)
Operating ambient temperature range	-25~60°C
Relative humidity	0-100%
Ingress protection	IP65
Noise emission(typical)	<20dBA
Cooling concept	Natural convection
Max. operation altitude	4000m
Designed lifetime	>20 years
Grid connection standard	EN505049, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE4105-2018, G99,IEC 62116
Safety/EMC standard	IEC62109-1/-2, NBT32004-2018, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4

## Features

DC connection	MC4
AC connection	IP67 rated plug
Display	LCD, 2×20 Z.
Communication connections	4 Pin RS485 connector
Monitoring	WiFi or GPRS
Warranty	5 years (extend to 20 years)
DRM function for AUS	Integrated DRM function for AUS