

Solis-mini-2000-4G

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 97.2% Max. efficiency
- ▶ Precise MPPT algorithm
- ▶ Intergrated Export Power Manager (EPM)
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-plus access to Android and Apple apps



Model:

Solis-mini-2000-4G

Datasheet

Model Name	Solis-mini-2000-4G
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Input DC

Max. DC input power(kW)	2.66
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)	2
Max. apparent output power(kVA)	2.2
Rated grid voltage(V)	230
Rated grid output current(A)	8.7
Max. output current(A)	10.5
THDi (at rated output power)	<3%

Efficiency

Max. efficiency	97.2%
EU efficiency	96.5%
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)	7.4
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, 2x20 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