

Mini 4G

1000W

4G

All NEW Solis Series

Solis Mini 4G Series Inverter

- ▶ All new MINI series - Extended to 3600W
- ▶ High frequency switching technology - Smaller, smarter
- ▶ DRM integrated, fully comply with AS4777.2:2015
- ▶ Compact and lightweight
- ▶ 50V-600V input voltage range- ultra low startup
- ▶ Over 97.5% Max. efficiency
- ▶ Precise MPPT algorithm
- ▶ IP65 rated for external installation
- ▶ RS485, WiFi/GPRS (optional) interface
- ▶ Multiple protections levels
- ▶ WiFi monitoring available – iphone and android app available
- ▶ 5 years standard warranty, 20 years optional upgrade



Model:

Solis-mini-1000-4G

Features:

EPM Export power manager	HF SWITCH High switch frequency	WiFi/GPRS Real time monitoring	60V Start-up Voltage	 Available on the iPhone App Store	Weight 7.4kg
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Datasheet

Model	Solis-mini-1000-4G
Energy Source	PV
Input Side(DC)	
Max. DC input power(kW)	1.2
Max. DC input voltage(V)	600
Start-up voltage(V)	60
MPPT voltage range(V)	50-500
Max. input current(A)	11A
MPPT number/Max input strings number	1/1
Output Side (AC)	
Rated output power(kW)	1
Max. apparent output power(kVA)	1.1
Max. output power(kW)	1.1
Rated grid voltage(V)	230
Grid voltage range(V)	160-285
Rated grid frequency(Hz)	50/60
Operation phase	Single
Rated grid output current(A)	4.3
Max. output current(A)	5.2
Power Factor (at rated output power)	0.8...1...0.8
THDi (at rated output power)	<1.5%
DC injection current(mA)	<20
Grid frequency range(Hz)	47-52 or 57-62
Efficiency	
Max. efficiency	97.2%
EU efficiency	96.5%
MPPTefficiency	>99.5%
Protection	
DC reverse-polarity protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
Output over voltage 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	
Dimensins(mm)	310W*373H*160D (mm)
Weight(kg)	7.4
Topology	Transformerless
Self consumption (night)	<1W(Night)
Operating ambient temperature range	-25~60°C
Ingress protection	IP65
Noise emission{typical}	<20 dBA
Cooling concept	Natural convection
Max. operation altitude	4000m
Designed lifetime	>20years
Grid connection standard	EN50438, G83/2, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105
Relative humidity	0~100%
Safty/EMC standard	IEC62109-1/-2, NB/T 32004, EN61000-6-1, EN61000-6-3
Features	
DC connection	MC-4mateable
AC connection	IP67rated plug
Display	LCD,2×20 Z.
Communication connections	4 pins RS485 connector
Warranty	5 years standard (extend to 20 years)