Solis-mini-3000-4G

Solis 4G Mini Series Inverters

Features:

▶ Mini series - Extended to 3600W

▶ High frequency switching technology-Smaller, smarter

▶ DRM integrated, fully comply with AS4777.2:2015

▶ Compact and lightweight

▶ 80V-500V input voltage range-ultra low startup

▶ Over 97.5% Max. effciency

▶ Precise MPPT algorithm

▶ Intergrated Export Power Manager (EPM)

▶ RS485, WiFi/LAN/GPRS (optional) interface

▶ WiFi monitoring available-Android and Apple App store available

▶ 5 years standard warranty, 20 years optional upgrade

373mm   310mm   160mm

Model:

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Datasheet

Model Name	Solis-mini-3000-4G
Input DC	
Max. DC input power(kW)	3.5
Max. DC input voltage(V)	600
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/A:1
Output AC	
Rated output power(kW)	3
Max. apparent output power(kVA)	3.3
Max. output power(kW)	3.3
Rated grid voltage(V)	220/230
Rated grid frequency(Hz)	50/60
Grid frequency range(Hz)	47-52 or 57-62
Operation phase	Single
Rated grid output current(A)	13.6/13
Max. output current(A)	15.7
Power Factor (at rated output power)	0.8leading ... 0.8lagging
THDi (at rated output power)	<3%
DC injection current	<0.5%In
Efficiency	
Max. efficiency	97.5%
EU efficiency	96.8%
MPPT efficiency	>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
Grid monitoring	Yes
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional
General Data	
Dimensins(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	EN50438, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105, G98, G99
Safty/EMC standard	IEC62109-1/-2, NB/T 32004, EN61000-6-1, EN61000-6-3
Features	
DC connection	MC4
AC connection	IP67 rated plug
Display	LCD, 2×20 Z.
Communication connections	4 pins RS485 connector
Monitoring	WiFi or GPRS
Warranty	5 years (extand to 20 years)