solis-mini-2500-4G
inverter

Leading Features

▶ High switching frequency technology-Smaller, smarter

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

▶ Compact and lightweight, visually pleasing for domestic environment

▶ 50V-400V input voltage range — ultra low startup

▶ Over 97.5% Max.efficiency

▶ Precise MPPT algorithm

▶ IP65 rated for external installation

▶ RS 485, WiFi/GPRS (optional) interface

▶ Multiple protections levels

▶ WiFi monitoring available — iphone and android app available

▶ 5 years standard warranty, 10 years optional upgrade

Model	Solis-mini-2500-4G
Input Side (DC)	
Max. input power	3kW
Max. input voltage	500V
Start-up input voltage	60V
MPPT voltage range	50-400V
Max. input current	11A
MPPT number/Max. input strings number	1/1
Output Side (AC)	
Rated output power	2.5kW
Max. transient power	2.8kW
Rated grid voltage	220/230V
Grid voltage range	160~285V(adjustable)
Rated grid frequency	50/60Hz
Operating phase	Single
Max. output current	13.3A
Power factor	0.8 leading … 0.8 lagging
Total harmonic distortion (THDi)	<1.5%
DC injection current	<20mA
Grid frequency range	47-52Hz or 57-62Hz(adjustable)
Efficiency	
Max. efficiency	97.5%
EU efficiency	96.8%
MPPT efficiency	99.9%
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	
Dimensions	270W∗433H∗105D(mm)
Weight	5.6kg
Topology	Transformerless
Self consumption	<1W(Night)
Operating ambient temperature range	-25℃～60℃
Ingress protection	IP65
Noise emission(typical)	<30 dBA
Cooling concept	Natural convection
Max. operation altitude	4000m
Designed lifetime	>20 years
Grid connection standard	EN50438, G83/2,AS4777,VDE0126-1-1,IEC61727
Relative humidity	0~100%
Safety/EMC standard	EN61000-6-1:2007; EN61000-6-3:2007 IEC62109-1/-2; AS3100
Features	
DC connection	Original MC4 Connector
AC connection	IP67 rated plug
Display	LCD, 2 x 20 Z.
Interface	RS 485, WiFi/GPRS (optional)
Warranty	5~10 Years