

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
- ▶ 50V-500V input voltage range-ultra low startup
- ▶ Over 97.5% Max. efficiency
- ▶ Precise MPPT algorithm
- ▶ Intergrated Export Power Manager (EPM)
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-Android and Apple App store available



Model:
Solis-mini-3000-4G

Datasheet:

Model Name	Solismini-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/Maxinput strings number	1/4/1	
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)	47-62 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%Idc	
Efficiency		
Max. efficiency	97.5%	
F1 efficiency	96.6%	
MPPT efficiency	>95.5%	
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		
Dimensions(mm)	310W*373H*168D	
Weight (kg)	7.7	
Topology	Transformer less	
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 M105, G98, G99	
Safety/EMC standard	IEC62109-1/-2, NB/T 32004, EN61008-1, EN61009-3	
Features		
DC connection	MC4	
AC connection	IP67 rated plug	
Display	LCD, 2*20.2	
Communication connections	4 pins RS485 connector	
Monitoring	WiFi or GPRS	
Warranty	5/10/15/20 years	