

Mini 4G

700W
-
3600W

Solis Mini 4G Series Inverter

- ▶ 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-iphone and android app available
- ▶ 5 years standard warranty, 20 years optional upgrade



Model:

120V Solis-mini-1000-4G -LV

220V Solis-mini-700-4G Solis-mini-1000-4G Solis-mini-1500-4G
Solis-mini-2000-4G Solis-mini-2500-4G Solis-mini-3000-4G
Solis-mini-3600-4G

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 Available on the Android App Store	IP65
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Datasheet

Model	Solis-mini-1000-4G-LV	Solis-mini-700-4G	Solis-mini-1000-4G	Solis-mini-1500-4G	Solis-mini-2000-4G	Solis-mini-2500-4G	Solis-mini-3000-4G	Solis-mini-3600-4G
Energy Source	PV							
Input Side(DC)								
Max. DC input power(kW)	1.2	0.9	1.2	1.8	2.3	3	3.5	4
Max. DC input voltage(V)	600							
Start-up voltage(V)	90	60			90			
MPPT voltage range(V)	50-500				80-500			
Max. input current per MPPT(A)	11A							19A
MPPT number/Max input strings number	1/1							1/2
Output Side (AC)								
Rated output power(kW)	1	0.7	1	1.5	2	2.5	3	3.6
Max. apparent output power(kVA)	1.1	0.8	1.1	1.7	2.2	2.8	3.3	3.6
Max. output power(kW)	1.1	0.8	1.1	1.7	2.2	2.8	3.3	3.6
Rated grid voltage(V _{LL})	101/120/127	220/230	220/230	220/230	220/230	220/230	220/230	220/230
Rated grid frequency(Hz)	50/60							
Operation phase	Single							
Rated grid output current(A)	8.3	3.2/3.0	4.5/4.3	6.8/6.5	9.1/8.7	11.4/10.9	13.6/13	16
Max. output current(A)	9.2	4.4	5.2	8.1	10.5	13.3	15.7	16
Power Factor (at rated output power)	0.8 leading ... 0.8 lagging							
THDi	<3%							
DC injection current(mA)	<0.5%I _n							
Grid frequency range(Hz)	47-52 or 57-62							
Efficiency								
Max. efficiency	97.2%					97.5%		
EU efficiency	96.5%					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							
Islanding protection	Yes							
Temperature protection	Yes							
Integrated DC switch	Optional							
General Data								
Dimensions(mm)	310W*373H*160D							
Weight(kg)	8.5					8.8		
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	>20 years							
Grid connection standard	EN50438, G83/2, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105							
Relative humidity	0~100%							
Safety/EMC standard	IEC62109-1/-2, NB/T 32004, EN61000-6-1, EN61000-6-3							
Features								
DC connection	MC-4 mateable							
AC connection	IP67 rated plug							
Display	LCD,2×20 Z.							
Communication connections	4 pins RS485 connector							
Warranty	5 years standard (extend to 20 years)							