Mini 4G

700W
-
3600W

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-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 iPhone App Store
- Weight — 7.4kg

Datasheet

Model	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)	0.9	1.2	1.8	2.3	3	3.5	4
Max. DC input voltage(V)	600						
Start-up voltage(V)	60			90			
MPPT voltage range(V)	50–500			80–500			
Max. input current(A)	11A						19A
MPPT number/Max input strings number	1/1						1/2
Output Side (AC)							
Rated output power(kW)	0.7	1	1.5	2	2.5	3	3.6
Max. apparent output power(kVA)	0.8	1.1	1.7	2.2	2.8	3.3	3.6
Max. output power(kW)	0.8	1.1	1.7	2.2	2.8	3.3	3.6
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)	3.0	4.3	6.5	8.7	10.9	13	16
Max. output current(A)	4.4	5.2	8.1	10.5	13.3	15.7	16
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%				97.5%		
EU efficiency	96.5%				96.8%		
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				7.7		
Topology	Transformerless						
Self consumption (night)	<1W(Night)						
Operating ambient temperature range	-25~60℃						
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)						