

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-2000-4G

Solis-mini-3600-4G

Solis-mini-1000-4G

Solis-mini-2500-4G

Solis-mini-1500-4G

Solis-mini-3000-4G

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													
MPPT number/Max input strings number	1/1													
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°C													
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)													