



**Smaller but
Smarter**



Leading Features

- ▶ Compact and lightweight, visually pleasing for domestic environment
- ▶ 50V-400V input voltage range — ultra low startup
- ▶ G83/2 Certified
- ▶ Over 97% 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

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Datasheet

Model	Solis-mini-700	Solis-mini-1000	Solis-mini-1500	Solis-mini-2000	Solis-mini-2500
Energy source	PV				
Input Side					
Max. DC Power(kW)	0.9	1.2	1.8	2.3	3
Max. DC input voltage(V)	450			500	
Start-up DC input voltage(V)	60				
MPPT operating range(V)	50-400				
Max. DC input current(A)	10				
Number of MPP/Max strings per MPPT	1/1				
Output Side					
Rated output power(kW)	0.7	1.0	1.5	2.0	2.5
Max. transient power(kW)	0.8	1.1	1.65	2.2	2.5
Rated AC grid voltage(V)	230				
AC grid voltage range(V)	180-270(adjustable)				
Operating phase	Single				
Rated AC grid output current(A)	3.0	4.3	6.5	8.7	10.9
Max. AC output current(A)	4.4	6.1	9.2	12.2	13.9
Output power factor	>0.99				
Grid current THD	<3%				
DC injection current(mA)	<20				
Rated grid frequency(Hz)	50/60				
Efficiency					
Max. efficiency	96.7%				
Euro efficiency	96.2%				
MPPT efficiency	99.9%				
Protection					
Temperature protection	Yes				
DC reverse-polarity protection	Yes				
AC short circuit protection	Yes				
AC output overcurrent protection	Yes				
Output overvoltage protection-Varistor	Yes				
Ground fault monitoring	Yes				
Grid monitoring	Yes				
Islanding protection	Yes				
Integrated DC switch	Optional				
General data					
Size(mm)	270W*433H*105D				
Weight(kg)	5.2	5.6			
Topology	Transformerless				
Internal consumption	<1W (Night)				
Running temperature	-25°C~60°C				
Ingress protection	IP65				
Operating range utility frequency (Hz)	47-52 or 57-62(adjustable)				
Noise emission(typical)	<30 dBA				
Cooling concept	Natural convection				
Max.operating altitude without derating	2000m				
Designed lifetime	>20 years				
Utility monitoring	Islanding protection V_{AC} , F_{AC} in accordance with EN50438,G83/2, AS4777, VDE 0126-1-1				
Operating surroundings humidity	0~95%				
EMC	EN61000-6-1:2007 EN61000-6-3:2007				
Features					
DC Connection	MC-4 mateable				
AC Connection	IP67 rated plug				
Display	LCD, 2 x 20 Z.				
Interface	RS 485, WiFi/GPRS (optional)				
Warranty	5~10 Years				