



**Smaller but
Smarter**



Standard Solis-2G Single Phase Inverter *New* Solis Mini Series Inverter

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
Energy source	PV			
Input Side				
Max. DC Power(kW)	0.9	1.2	1.8	2.3
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	1.5	2.0
Max. transient power(kW)	0.8	1.1	1.65	2.2
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	8.3
Max. AC output current(A)	4.4	6.1	9.2	12.2
Output power factor	>0.99			
Grid current THD	Total THD<4%			
DC injection current(mA)	<20			
Rated grid frequency(Hz)	50/60			
Efficiency				
Max. efficiency	>97%			
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*417H*124D			
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			