

Solis-2G Single Phase Inverter



## Leading Features

- Over 97% Max. efficiency
- Dual MPPT design with precise MPPT algorithm
- Ultra wide input voltage range
- Compact and light design for one-person easy installation
- IP65, visually pleasing for domestic environment
- RS 485, WiFi/GPRS (optional) interface
- Numerous protection functions
- WiFi and monitoring app available
- 10 years standard warranty

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# Datasheet

Model	Solis-2.5K-2G	Solis-3K-2G	Solis-3.6K-2G	Solis-4K-2G	Solis-4.6K-2G	Solis-5K-2G	Solis-2.5K-2G-ST	Solis-3K-2G-ST	Solis-3.6K-2G-ST
Energy source	PV								
<b>Input Side (DC)</b>									
Max. input power	3kW	3.5kW	4.2kW	4.6kW	5.3kW	5.8kW	3kW	3.5kW	4.2kW
Max. input voltage	600V								
Start-up input voltage	120V								
MPPT voltage range	100-500V								
Max. input current	10A+10A			15A+15A			10A	18A	
MPPT number/Max. input strings number	2/2						1/1	1/2	
<b>Output Side (AC)</b>									
Rated output power	2.5kW	3kW	3.6kW	4kW	4.6kW	5kW	2.5kW	3kW	3.6kW
Max. transient power	2.8kW	3.3kW	4kW	4.4kW	5kW	5kW	2.8kW	3.3kW	4kW
Rated grid voltage	220/230V								
Grid voltage range	180~270(adjustable)								
Rated grid frequency	50/60Hz								
Operating phase	Single								
Max. output current	13.3A	15.7A	16A	21A	23.8A	23.8A	13.3A	15.7A	16A
Power factor	>0.99								
Total harmonic distortion (THDi)	Total THD<3%								
DC injection current	<20mA								
Grid frequency range	47-52Hz or 57-62Hz(adjustable)								
<b>Efficiency</b>									
Max. efficiency	>97.5%			>97.8%			>97.5%		
EU efficiency	>96.8%			>97%			>96.8%		
MPPT efficiency	>99.9%								
<b>Protection</b>									
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								
Grid monitoring	Yes								
Islanding protection	Yes								
Temperature protection	Yes								
Integrated DC switch	Optional								
<b>General Data</b>									
Dimensions	339W*565H*173D(mm)								
Weight	14.5kg			16.5kg			14.5kg		
Topology	Transformerless								
Self consumption	<1W(Night)								
Operating ambient temperature range	-25°C~60°C								
Ingress protection	IP65								
Noise emission(typical)	<30 dBA								
Cooling concept	Natural convection								
Max. operation altitude	2000m								
Designed lifetime	>20 years								
Grid connection standard	UL 1741, G83/2, G59/3, AS4777, VDE 0126-1-1								
Relative humidity	0~95%								
Safety/EMC standard	EN61000-6-1:2007; EN61000-6-3:2007; IEC62109-1/2; AS3100								
<b>Features</b>									
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								