

Single 4G

2.5kW
-
5kW

4G

All NEW Solis Series

Solis 4G Single Phase Inverter

- ▶ All New Solis 4G Single Phase Range
- ▶ All New Design – Smaller, Lighter and Smarter
- ▶ Dual and now Three MPPT options available
- ▶ Built-in Export power management
- ▶ High Frequency Switching - Significantly reduces inductance loss and noise levels
- ▶ WiFi and GPRS monitoring available---iphone and android app available
- ▶ 5 years standard warranty, 20 years optional upgrade



Model:

Solis-1P2.5K-4G

Solis-1P4K-4G

Solis-1P5K-4G-MX

Solis-1P3K-4G

Solis-1P4.6K-4G

Solis-1P3.6K-4G

Solis-1P5K-4G

Features:

EPM

Export power
manager

HF SWITCH

High switch
frequency

AFCI

Optional

Weight

11kg

WiFi/GPRS

Real time
monitoring

Available on the iPhone
App Store

Available on the iPhone
App Store

Datasheet

Model	Solis-1P2.5K-4G	Solis-1P3K-4G	Solis-1P3.6K-4G	Solis-1P4K-4G	Solis-1P4.6K-4G	Solis-1P5K-4G	Solis-1P5K-4G-MX
Energy Source	PV						
Input Side(DC)							
Max. DC input power(kW)	3	3.5	4.2	4.6	5.3	5.8	5.8
Max. DC input voltage(V)	550	600					
Start-up voltage(V)	60	120					
MPPT voltage range(V)	50-450	100-500					
Max. input current(A)	11A+11A						
MPPT number/Max input strings number	2/2						
Output Side (AC)							
Rated output power(kW)	2.5	3	3.6	4	4.6	5	4.999
Max. apparent output power(kVA)	2.8	3.3	4	4.4	5 (4.6 for VDE4105)	5	4.999
Max. output power(kW)	2.8	3.3	4	4.4	5 (4.6 for VDE4105)	5	4.999
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)	10.9	13	15.7	17.4	20	21.7	21.7
Max. output current(A)	13.3	15.7	16	21	23.8 (21.7 for AUS)	25 (21.7for AUS)	21.7
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	97.8%			98.1%			
EU efficiency	97.1%			97.3%			
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*543H*160D (mm)						
Weight(kg)	11.5						
Topology	Transformerless						
Self consumption (night)	<1W(Night)						
Operating ambient temperature range	-25~60°C						
Ingress protection	IP65						
Noise emission{typical}	<30 dBA						
Cooling concept	Natural convection						
Max.operation altitude	4000m						
Designed lifetime	>20years						
Grid connection standard	EN50438, G83/2, G59/3, 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)						