

Single 2G

2.5kW
-
5kW

Solis 2G Single Phase US Inverter

- ▶ Compact and lightweight design inside a corrosion-resistant NEMA 4X enclosure
- ▶ Easy to install and visually pleasing for indoor or outdoor installations
- ▶ Single Phase 240Vac and 208Vac output
- ▶ Up to 97.8% efficient with an ultra-low start up voltage
- ▶ Dual (2) MPPT designs with fast (< 5 sec.) MPPT response times
- ▶ Industry-leading (100-500Vdc) operating MPPT range
- ▶ Integrated Arc Fault Circuit Interrupt (AFCI)
- ▶ RS485 Modbus communication protocol with Wi-Fi interface (optional GPRS/LAN)
- ▶ Web based data monitoring with downloadable Solis Web App.
- ▶ 10 Year Standard Warranty with extension options



Model:

Solis-2.5K-2G-US

Solis-3K-2G-US

Solis-3.6K-2G-US

Solis-4K-2G-US

Solis-4.6K-2G-US

Solis-5K-2G-US

Features:

Fanless
Cooling
Concept

Ultra wide
Voltage
Range

WiFi/GPRS
/LAN
Real time
monitoring

Available on the iPhone
App Store
Available on the iPhone
App Store

NEMA 4X

AFCI

Datasheet

Model	Solis-2.5K-2G-US	Solis-3K-2G-US	Solis-3.6K-2G-US	Solis-4K-2G-US	Solis-4.6K-2G-US	Solis-5K-2G-US
DC Values						
Max voltage(V)	600					
Startup voltage(V)	120					
Operating MPPT voltage range(V)	100-500					
Max usable input current per MPPT(A)	10+10			10+18		
Number of MPPT/Inputs per MPPT	2/1			2/2		
AC Values						
Nominal output power(W)	2500	3000	3600	4000	4600	5000
Max. continuous output power(W)	2800	3300	4000	4400	5000	5000
Nominal grid voltage(V)	208/240					
Operating voltage range(V)	183-228(for 208V rate)/211-264(for 240V rated)					
Operating phase	Single					
Max. output current for 240/208V grid(Amps)	12/10.4	14.4/12.5	17.3/15.0	19.2/16.7	22.1/19.2	24/20.8
Output power factor range	1 (default) and 0.9 leading ... 0.9 lagging adjustable					
Grid current THD	<3%					
DC injection current (A)	<20					
Operating frequency range(H)	59.5-60.5					
Efficiency						
Peak efficiency	97.5%			97.8%		
CEC weighted efficiency	96.5%			97.0%		
MPPT efficiency	>99.5%					
Protection						
DC reverse-polarity protection	Yes					
AC short circuit protection	Yes					
AC output overcurrent protection	Yes					
Output over voltage protection-Varistor	Yes					
Ground fault monitoring	Yes					
Grid monitoring	Yes					
Islanding protection	Yes					
Temperature protection	Yes					
Integrated DC switch	Yes					
Integrated AFCI(DC arc-fault circuit protection)	Yes					
Rapid shutdown	Yes					
General Data						
Dimensions(W*H*D)	13.3*25.9*6.5in (338*658*165mm)					
Weight	33.1 (15kg)			38.6(17.5kg)		
Topology	Transformerless					
Internal consumption	<1W (Night)					
Ambient operating temperature range	-25°C~-60°C/-13°F~140 °F					
Enclosure type	NEMA 4X					
Noise emission(typical)	<30dBA					
Cooling concept	Natural convection					
Max operating altitude without derating(m/ft)	13120					
Designed lifetime	>20 years					
Compliance	UL 1741, UL 1998, UL 1699B, IEEE 1547, FCC Part 15 (Class A & B), CAN/CSA C22.2 107.1-1					
Operating surroundings humidity	0~100% Condensing					
Features						
Connections	2 knockout for 3/4" and 1" conduit at bottom and side					
Display	LCD,2×20 Z.					
Interface	RS485, WiFi/GPRS/LAN(Optional)					
Warranty	10 Years STD (Extendable to 20 Years)					