

# Single 4G

2.5kW  
-  
6kW

## Solis 4G Single Phase US Inverter

- ▶ CARule21 Phase I, II, III compliance and UL 1741 SA certified
- ▶ Sunspec communication protocol with optional Cellular, Wi-Fi and LAN
- ▶ Flexible Dual MPPT design
- ▶ Integrated Arc Fault Circuit Interrupt (AFCI)
- ▶ 97.8% peak efficiency (97.5% CEC efficiency)
- ▶ 10 Year Standard Warranty with extension options



### Model:

Solis-1P2.5K-4G-US

Solis-1P3K-4G-US

Solis-1P3.6K-4G-US

Solis-1P4K-4G-US

Solis-1P4.6K-4G-US

Solis-1P5K-4G-US

Solis-1P6K2-4G-US

### Features:

HF SWITCH  
—  
High switch  
frequency

RSD  
—  
RGM

AFCI

WiFi/LAN  
—  
Sunspec  
Protocol

NEMA 4X

Available on the iPhone  
App Store  
—  
Available on the Android  
App Store

# Datasheet

Model	Solis-1P2.5K-4G-US	Solis-1P3K-4G-US	Solis-1P3.6K-4G-US	Solis-1P4K-4G-US	Solis-1P4.6K-4G-US	Solis-1P5K-4G-US	Solis-1P6K2-4G-US
<b>DC Values</b>							
Max voltage(V)	600						
Startup voltage(V)	60	120	120	120	120	120	120
Operating MPPT voltage range(V)	50-450	90-520	90-520	90-520	90-520	90-520	90-520
Max usable input current per MPPT(A)	11+11						
Number of MPPT/Inputs per MPPT	2/2						
<b>AC Values</b>							
Nominal output power 240V grid (W)	2500	3000	3600	4000	4600	5000	6000
Nominal output power 208V grid (W)	2500	3000	3600	4000	4600	5000	5200
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)	10.4/12	12.5/14.4	15.0/17.3	16.7/19.2	19.2/22.1	20.8/24.0	25/25
Max. overcurrent protection device 240/208V(Amps)	20/20	20/20	20/30	30/30	30/30	30/40	40/40
Output power factor range	0.8leading ... 0.8lagging						
Grid current THD	<3%						
DC injection current (A)	<20						
Operating frequency range(H)	59.5-60.5						
<b>Efficiency</b>							
Peak efficiency	97.8%			98.1%			
CEC weighted efficiency	97.0%			97.0%			
MPPT efficiency	>99.5%						
<b>Protection</b>							
DC reverse-polarity protection	Yes						
AC short circuit protection	Yes						
Ground fault monitoring/Grid monitoring	Yes						
Islanding protection	Yes						
Integrated DC switch	Yes						
Integrated AFCI(DC arc-fault circuit protection)	Yes						
<b>General Data</b>							
Dimensions(W*H*D)	12.2*28.5*6.3in						
Weight	30.9lb						
Topology	Transformerless						
Internal consumption	<1W (Night)						
Ambient operating temperature range	(-25C°)-60C° / (-13F°)-140F°						
Enclosure type	NEMA 4X						
Noise emission(typical)	<30dBA						
Cooling concept	Natural convection						
Max operating altitude without derating(m/ft)	13120ft (4000m)						
Designed lifetime	>20 years						
Compliance	UL 1741, UL 1741SA, Rule 21 Phase I, II&III, ISO-NE, UL 1998, UL 1699B, IEEE 1547, FCC Part 15 (Class A & B), CAN/CSA C22.2						
Relative humidity range	107.1-1 0~100%						
<b>Features</b>							
RSD - NEC 2014	Yes (Optional)						
Display	LCD,2*20 Z.						
OTA Update	Yes						
Communication protocol	Sunspec Protocol						
Supported Communication Interface	Rs485, Optional Cellular, WiFi and LAN						
Connections	2 knockout for 3/4" conduit at bottom, side and back (6 Total)						
Warranty	10 Years STD (Extendable to 20 Years)						