



6kW to 10kW

Ginlong Solis US Version Single Phase Inverters



Leading Features

- 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
- 97.8% efficient with an ultra-low start up voltage
- Industry-leading 3 and 4 MPPT designs with fast (< 5 sec.) MPPT response times
- Industry-leading (200-500Vdc) full power MPPT range
- Integrated Arc Fault Circuit Interrupt (AFCI) option
- RS485 Modbus communication protocol with Wi-Fi interface (optional GPRS)
- Web based data monitoring with downloadable Solis Web App.
- 10 Year Standard Warranty with extension options

Accessories & monitoring

WiFi Stick



Web Box



Rapid Shutdown Device



Contact us today.
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43017 USA



Technical Specification

Model

Energy Source

DC Values

Max usable input current per MPPT (Amps)
 Max Short Circuit Current (Amps)
 Start-Up Voltage (Volts)
 Max Voltage (Volts)
 Full Power MPPT Voltage Range (Volts)
 Max Power per MPPT (Watts)
 Number of MPPT
 Inputs per MPPT

AC Values (240Vac)

Operating Voltage Range (Volts)
 Operating Frequency Range (Hertz)
 Ambient Operating Temperature Range (Celsius and Fahrenheit)
 Ambient Humidity Range
 AC Output Power Factor
 Grid THD
 Nominal Power Output (Watts)
 Continuous Power Output (Watts)
 Maximum Continuous AC Output Current (Amps)

Efficiency

Peak Efficiency
 CEC Weighted Efficiency
 MPPT Efficiency

Protection

Max Overcurrent Protection Device (Amp Rating)
 Temperature Protection
 DC Reverse Polarity Protection
 Output Overvoltage Protection
 Anti-Islanding
 Integrated AFCI (DC arc fault)
 Integrated DC Switch
 Rapid Shutdown (NEC 690.12)

General Data

Dimensions (Inches)
 Weight (Pounds)
 Topology
 Internal consumption (Watts)
 Enclosure Type
 Cooling Type
 Noise Emissions
 Max operating altitude without de-rate
 Compliance

Features

Display
 Communication
 Conduit Knockouts
 Warranty

Solis-1P6K-4G-US	Solis-1P7K-4G-US	Solis-1P7.6K-4G-US	Solis-1P8K-4G-US	Solis-1P9K-4G-US	Solis-1P10K-4G-US
PV					
10					
15.6					
120Vdc					
600					
200-500	233-500	253-500	200-500	225-500	250-500
4000	4000	4000	4000	4000	4000
3			4		
1					
183-228(for 208V rated)/211-264(for 240V rated)					
59.5-60.5					
-25°C to 60°C / -13°F to 140°F					
0-100% Condensing					
> 0.99					
< 3%					
6000	7000	7600	8000	9000	10000
6600	7700	8360	8800	9900	10000
25	29.2	31.7	33.3	37.5	41.7
97.8%					
97.5%					
>99%					
40/40	40/40	40/50	40/50	50/50	50/60
Yes					
Yes					
Yes (Varistor)					
Yes					
Yes					
Yes					
Optional					
13.1*25.8*9.8in / (333*655*249mm)					
43.2lb (19.6kg)				43.7lb (19.8kg)	
Transformer-less					
<1W (Night)					
NEMA 4X					
Natural Convection					
<30 dBA					
13,120 feet (4000m)					
UL 1741, UL 1998, UL 1699B, IEE 1547, FCC Part 15 (Class A&B), CAN/CSA 22.2 107.1-1					
LCD, 2 × 20 Z					
RS 485 Modbus / Wi-Fi (GPRS optional) interface					
Two (2) on side and two (2) on bottom, 1", 1 1/4" ID,					
Standard 10 Year (Extendable to 20 Years)					