



# 6kW to 10kW

Ginlong Solis US Version Single Phase Inverters



## Leading Features

- Industry Leading High Frequency Switching Technology
- 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 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 (100-500) Operating MPPT Voltage 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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# Technical Specifications

## Model

Energy Source

## DC Values

Max. power per MPPT(Watts)

Max. voltage(Volts)

Startup voltage(Volts)

Full power MPPT voltage range(Volts)

Operating MPPT Voltage Range

Max. usable input current per MPPT(Amps)

Max. short circuit input current(Amps)

Number of MPPT

Inputs per MPPT

## AC Values (240Vac and 208Vac)

Nominal output power 240/208V grid (Watts)

Max continuous output

Operating voltage range(Volts)

Relative Humidity Range

Max. continuous output current 240/208V (Amps)

Max. overcurrent protection device 240/208V (Amps)

Output Power Factor

Grid THD (current)

Operating frequency range (Hertz)

Ambient operating temperature range

## Efficiency

Peak efficiency

CEC weighted efficiency

MPPT efficiency

## Protection

Temperature protection

DC reverse-polarity protection

AC short circuit protection

AC output overcurrent protection

Output overvoltage protection-Varistor

Ground fault monitoring

Grid monitoring

Islanding protection

Integrated AFCI(DC arc-fault circuit protection)

Rapid shutdown

## General Data

Dimensions(W\*H\*D)

Weight

Topology

Internal consumption

Enclosure type

Noise emission(typical)

Cooling concept

Max.operating altitude without derating

Compliance

## Features

Connections

Display

Interface

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  |                  |                    |                  |                  |                   |
|   |                  | 4000               |                  |                  |                   |
|   |                  | 600                |                  |                  |                   |
|   |                  | 120                |                  |                  |                   |
| 200-500   | 233-500          | 253-500            | 200-500          | 225-500          | 250-500           |
|   |                  | 100-500            |                  |                  |                   |
|   |                  | 10                 |                  |                  |                   |
|   |                  | 15.6               |                  |                  |                   |
|   |                  | 3                  |                  | 4                |                   |
|   |                  | 1                  |                  |                  |                   |
| 6000/6000   | 7000/7000        | 7600/7600          | 8000/7600        | 9000/8600        | 10000/9500        |
| 6600  | 7700             | 8360               | 8800             | 9900             | 10000             |
| 183~228 (for 208V rated)/211~264 (for 240V rated)                                       |                  |                    |                  |                  |                   |
| 0~100% Condensing   |                  |                    |                  |                  |                   |
| 25/28.5   | 29.2/33.7        | 31.7/36.5          | 33.3/36.6        | 37.5/41.3        | 41.7/45.9         |
| 40/40   | 40/40            | 40/50              | 40/50            | 50/50            | 50/60             |
|   |                  | >0.99              |                  |                  |                   |
|   |                  | THDi<3%            |                  |                  |                   |
|   |                  | 59.5-60.5          |                  |                  |                   |
| -25°C to 60°C/-13°F to 140°F  |                  |                    |                  |                  |                   |
|   |                  | 97.8%              |                  |                  |                   |
|   |                  | 97.5%              |                  |                  |                   |
|   |                  | >99%               |                  |                  |                   |
|   |                  | Yes                |                  |                  |                   |
|   |                  | Yes                |                  |                  |                   |
|   |                  | Yes                |                  |                  |                   |
|   |                  | Yes                |                  |                  |                   |
|   |                  | Yes                |                  |                  |                   |
|   |                  | Yes                |                  |                  |                   |
|   |                  | Yes                |                  |                  |                   |
|   |                  | Yes                |                  |                  |                   |
|   |                  | Yes                |                  |                  |                   |
|   |                  | Optional           |                  |                  |                   |
|   |                  | 13.1*25.8*9.8in    |                  |                  |                   |
| 43.2lb  |                  |                    |                  | 43.7lb           |                   |
|   |                  | Transformerless    |                  |                  |                   |
|   |                  | <1W (Night)        |                  |                  |                   |
|   |                  | NEMA 4X            |                  |                  |                   |
|   |                  | <30 dBA            |                  |                  |                   |
|   |                  | Natural convection |                  |                  |                   |
|   |                  | 13120ft (4000m)    |                  |                  |                   |
| UL 1741, UL 1998, UL 1699B, IEEE 1547, FCC Part 15 (Class A & B), CAN/CSA C22.2 107.1-1 |                  |                    |                  |                  |                   |
| Plugged 1 1/4" ID on sides, Plugged 1 1/2" ID on bottom                                 |                  |                    |                  |                  |                   |
| LCD, 2x20 Z.  |                  |                    |                  |                  |                   |
| RS 485, WiFi/GPRS (optional)  |                  |                    |                  |                  |                   |
| 10 Years STD (Extendable to 20 Years)   |                  |                    |                  |                  |                   |



Made by Ginlong Technologies

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