



# 6kW to 10kW

Ginlong Solis USA 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 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 (190-500Vdc) wide dc input 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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Manufacturer:

Ginlong Technologies  
Ltd., Ningbo, Zhejiang  
P.R. China

US Headquarters:

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/ Suite 3214, Dublin, OH  
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

6 kW PV	7kW PV	7.6kW PV	8kW PV	9kW PV	10kW PV
10 15.6 120Vdc 600					
200-500 5000	233-500 5000	190-500 5000	200-500 5000	200-500 5000	250-500 5000
3			4		
1					
211 – 264 59.3 - 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% 99.9%					
40	40	40	40	50	60
Yes Yes Yes (Varistor) Yes Yes Yes Optional					
33.7 lb.		13.5" × 26.1" × 9.1" Transformer-less <1.0 NEMA 4X Natural Convection <30 dBA 13,120 feet (4000m)		39.3 lb.	
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)					



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