



# 2.5kW to 5kW

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
- 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) 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.  
t: 866.438.8408  
e: [sales@ginlong-usa.com](mailto:sales@ginlong-usa.com)  
w: [ginlong-usa.com](http://ginlong-usa.com)

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

US Headquarters:  
565 Metro Place South  
/ Suite 3214, Dublin, OH  
43017 USA



# Technical Specifications

## Model

Energy Source

## DC Values

Max Usable Input Current per MPPT (Amps)

Max Short Circuit Input Current (Amps)

Start-Up Voltage (Volts)

Max Voltage (Volts)

Operating MPPT Voltage Range (Volts)

Full Power MPPT Voltage Range (Volts)

Max Power per MPPT (Watts)

Number of MPPT

Inputs per MPPT

## AC Values (208Vac and 240Vac)

Operating Voltage Range (Volts)

Operating Frequency Range (Hertz)

Ambient Operating Temp. Range (Celsius and Fahrenheit)

Relative Humidity Range

Power Factor

Grid Current THD

Nominal Output Power (Watts)

Max Continuous Output Power (Watts)

Max Output Current 208/240V Grid

## Efficiency

Peak Efficiency

CEC Weighted Efficiency

MPPT Efficiency

## Protection

Max Overcurrent Protection Device (Amps)

Temperature Protection

DC Reverse Polarity Protection

Output Overvoltage Protection-Varistor

Islanding Protection

Integrated AFCI (DC arc fault circuit protection)

Integrated DC Switch

Rapid Shutdown

## General Data

Dimensions

Weight

Topology

Internal consumption

Enclosure Type

Cooling Concept

Noise Emissions (Typical)

Maximum Operating Altitude without derating (Feet and Meters)

Compliance

## Features

Display

Interface

Connections

Warranty

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
PV					
10 + 10 15.6+15.6	10 + 10 15.6+15.6	10 + 10 15.6+15.6	10 + 18 15.6+28.1	10 + 18 15.6+28.1	10 + 18 15.6+28.1
120Vdc					
600					
100-500					
125-500	150-500	180-500	145-500	165-500	180-500
3000	3600	4000	4000	4600	5000
2					
1	1	1	1 + 2	1 + 2	1 + 2
183-228(for 208V rate)/211-264(for 240V rated)					
59.3 - 60.5					
-25°C to 60°C / -13°F to 140°F					
0-100%Condensing					
0.9leading ... 0.9lagging					
<3%					
2500	3000	3600	4000	4600	5000
2800	3300	4000	4400	5000	5000
12.0/10.4	14.4/12.5	17.3/15.0	19.2/16.7	22.1/19.2	24.0/20.8
97.5%	97.5%	97.5%	97.8%	97.8%	97.8%
95.5%	96.5%	96.5%	97.0%	97.0%	97.0%
>99%					
20	20	20	30	30	30
Yes					
Yes					
Yes					
Yes					
Yes					
Yes					
Optional					
13.3*25.9*6.8in					
33.1 lb.				38.6 lb.	
Transformer-less					
< 1W (Night)					
NEMA 4X					
Natural Convection					
<30 dBA					
13120 '(4000m)					
CAN/CSAC22.2 N107.1, UL1741, IEEE1547, UL1998, UL1699B, FCC part15,Class B					
LCD, 2 × 20 Z					
RS485, WiFi/GPRS(Optional)					
Plugged 3/4" ID on sides, Plugged 1" ID on bottom					
Standard 10 Year (Extendable to 20 Years)					