



6kW to 10kW

Ginlong Solis US Version Single Phase Inverters



Leading Features

- Industry-leading 3 and 4 MPPT designs
- 97.8% peak efficiency (97.5% CEC efficiency)
- High switching frequency at 30KHz, reducing induction loss and noise level
- The 5th generation Infineon IGBT technology, improving the efficiency by 0.5-0.8%
- The latest TI2806 DSP, improving CPU processing speed and PWM resolution increased by 1.5 times
- Fan-less natural convection technology and NEMA 4X enclosure for high reliability
- Easy to install and visually pleasing for indoor or outdoor installations
- Integrated Arc Fault Circuit Interrupt (AFCI) option
- RS485 Modbus communication protocol with Wi-Fi interface
- 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:

ussales@ginlong.com

w: www.ginlong.com

Manufacturer:

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

US Headquarters:

565 Metro Pl. S. Suite
3214, Dublin OH 43017,
USA



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					
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

t: 866.438.8408 | e: ussales@ginlong.com | w: www.ginlong.com