solis

# Global string inverter manufacturer

**Bankable. Reliable. Local.**

w: **solisinverters.com**

Made by Ginlong Technologies | Stock Code: 300763.SZ

# Solis Mission

## Developing technology to power the world with clean energy.

# Corporate Social Responsibility

>> The team at our headquarters and manufacturing base in China recently received the "National Green Factory" award by the regional Zhejiang Provincial Economic and Information Commission for the company's positive impact on the local community, environment and economy. Our efforts to uphold our Corporate Social Responsibility policy incorporates activities in areas such as product design, supplier management, waste management, energy consumption, infrastructure and public welfare.

## Product Design

Attention to detail during the design process has led to a number of technical changes to reduce the weight and quantity of materials required per product, without compromising quality. We always adopt an ecological design approach, reducing and replacing harmful substances with more environmentally friendly materials – a process which is fully documented and certified.

## Supply Chain Management

Every Solis supplier signs and commits to an environmental protection agreement which ensures all products meet the requirements of the RoHS directive and do not violate any environmental protection conditions.

## Waste

All industrial solid waste is recycled and reused except domestic waste, which is pre-treated by an oil separator (for kitchen waste) and then treated by our septic tank to meet the level 3 standard of Comprehensive Sewage Discharge Standard (GB8978-1996) before entering the Xiangshan County sewage treatment plant.

Solis has a dedicated warehouse for recycling raw materials and products, encouraging third party suppliers to repurchase materials for reuse. The recycling rate of our products is calculated in accordance with GB/T20862.

## Energy Consumption

Solis employs a dedicated in-house energy management team which is responsible for energy conservation and reducing the consumption of energy during the production process. In 2014, we built photovoltaic power stations and an intelligent micro-grid to power the factory. The current grounds and parking lot contain over 2,000 solar modules with an installed capacity of 0.542MWp and an annual capacity of 542,000 kWh.

In 2018, Solis' annual electricity consumption from the installed solar system was 3.2 million kilowatt hours, accounting for 16.8% of the factory total, and exceeding our target of 10%.

## Public Welfare

Solis encourages all employees to participate in a variety of public welfare activities, led by our senior management team who have a strong sense of social responsibility. Solis is developing and growing rapidly, and we are committed to giving back to society, providing educational assistance, alleviating poverty and contributing to social emergency funds.

At the start of 2020, the company donated 1 million Yuan to first-line medical workers from The Designated Ningbo Hospital to aid COVID-19 diagnosis and treatment. A total of 10,000 masks were donated to the People's government of Xiangshan County to help provide protection and prevent the spread of the virus. A total of 2.6 million Yuan was donated to charitable causes in 2020.

## Carbon Footprint

In 2021, Solis global shipments reached over 670,000 units of inverters totalling 14.4GW. This equates to connecting more than 17 billion kWh of new green electricity and reducing over 17 million tons of $CO_2$ emissions – the equivalent of planting 9 million trees.

Our mission to reduce the world's carbon footprint is an ongoing challenge, and we are making good progress.

## Corporate Buildings & Infrastructure

Solis constructs its corporate buildings and factories in accordance with the relevant national standards and develops detailed plans for environmental protection, safety, energy conservation and occupational health.

We select building materials with low aggregate energy and high durability to reduce energy consumption during their life cycle. Throughout the grounds we have planted local flora and fauna, ensuring that the proportion of external permeable ground cover is no less than 30% of the total area.

# Company Profile

>> Established in 2005, Ginlong (Solis) (Stock Code: 300763.SZ) is one of most experienced and largest manufacturers of solar inverters.

Cost-effective solutions for residential, commercial, and utility-scale users deliver value at every level of the solar supply chain, engaging both homeowners and businesses, as well as power producers and renewable energy investors across the globe.

Presented under the Solis brand, the company's solar inverter product line uses innovative string technology to deliver first-class reliability, validated under the most stringent international certifications.

Combining a global supply chain with world-class R&D and manufacturing capabilities, Ginlong optimizes its Solis inverters for each regional market, servicing and supporting its customers with its teams of local experts.

Proven bankability has attracted support from world leading financial institutions, ensuring solid long-term returns on investment. Working with stakeholders to accelerate the worlds journey towards a more sustainable future.





# Global Reach, Local Expertise

>> With 23 offices and service centers around the world, including the Australia, Brazil, China, France, Germany, India, Italy, Korea, Mexico, Myanmar, Malaysia, Netherlands, Philippines, Poland, Romania, South Africa, Spain, Sweden, Turkey, Thailand, UK, USA and Vietnam, Solis has a well-established and expanding global presence.

**2h** Response time >> **48h** Replacement time >> **48h** On-site support time

**In-country inverter experts committed to your success:**

Hassle-free service delivered by local technicians available by phone and on-line.

Solis after-sales support defines service excellence.


e: sales@solisinverters.com



w: solisinverters.com

# Solis Global Structure

>> Global HQ [China]

- Board of Directors
- Global Marketing
- Global Sales
- Manufacturing
- Design & Engineering
- Product Management
- Global R&D Center

## Global Reach

### Europe

Austria
Belgium
Bulgaria
Denmark
Finland
France
Germany
Greece
Ireland
Italy
Lithuania
Netherlands
Norway
Poland
Portugal
Russia
Serbia
Spain
Sweden
Switzerland
Turkey
UK
Ukraine

### North America

Bahamas
Barbados
Canada
Costa Rica
Dominica
El Salvador
Grenadines
Guatemala
Honduras
Jamaica
Mexico
Nicaragua
Panama
St. Vincent
USA

### Latin America & Caribbean

Argentina
Aruba
Bolivia
Brazil
Chile
Colombia
Ecuador
Peru
Surinam

### Asia

Armenia
Bangladesh
Cambodia
China
Georgia
India
Indonesia
Korea
Kuwait
Lebanon
Malaysia
Myanmar
Nepal
Pakistan
Palestine
Philippines
Singapore
Sri Lanka
Thailand
Vietnam

### Africa

Egypt
Ghana
Mauritius
Morocco
South Africa
Tunisia

### Oceania

Australia
New Zealand

e: **sales@solisinverters.com**




w: **solisinverters.com**

# Contents





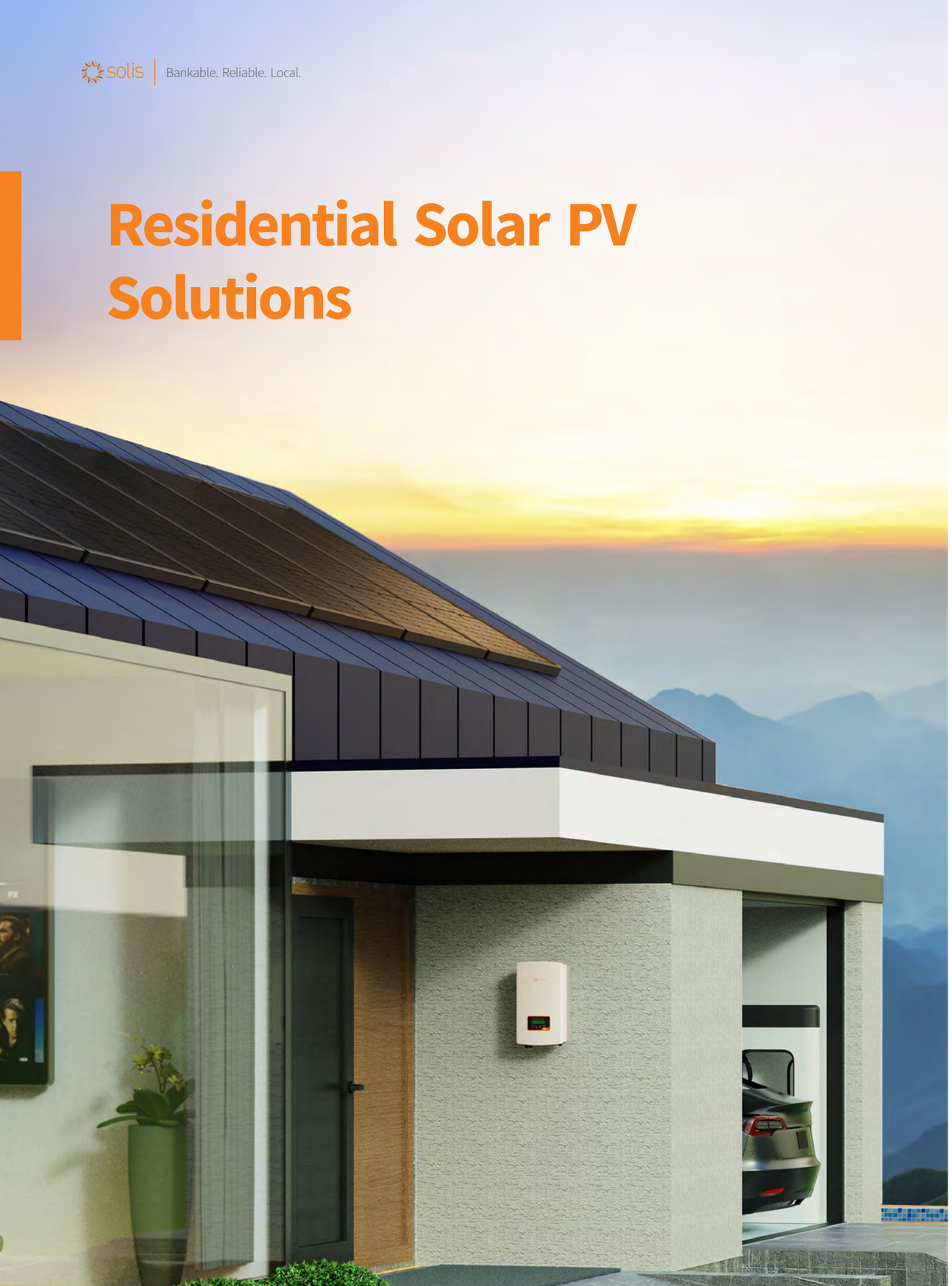








# Residential Solar PV Solutions





>> Solis residential string inverters are cost-effective and efficient green power leaders, providing smarter green power solutions for your residential buildings. A variety of models and solutions meet the needs of modern homes.

The portfolio includes single-phase and small three-phase string inverters, with a wide range of models, provideing the best home green power solutions based on your application scenarios and specific needs.

Solis Residential inverters are small and light, allowing for just one person to complete the installation. The overall design is sleek and modern, with low noise, particularly suitable for home installation without affecting people's daily activities.

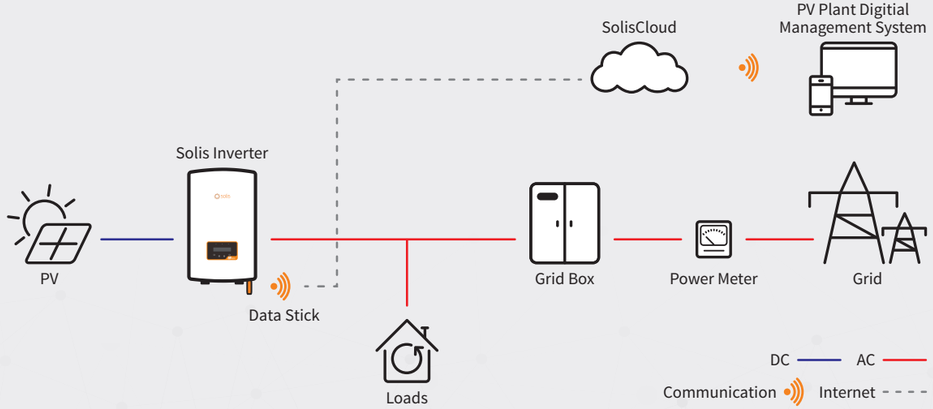
Via online or App, you can connect to SolisCloud for intelligent energy management. Simple operation and convenient management.

Solis residential solutions are technically advanced, flexible and simplify integration with digital home automation equipment and smart grids.

>> **Models:** S6-GR1P(1-3)K-M
S6-GR1P(4-5)K
S5-GR3P(5-20)K

**Output:** 1 kW - 20 kW

## Residential Solar PV Solution



# S6-GR1P(1-3)K-M

Solis Mini Series Inverters

## >> Models:

S6-GR1P1K-M

S6-GR1P1.5K-M

S6-GR1P2K-M

S6-GR1P2.5K-M

S6-GR1P3K-M

360º View


## Features:

- Max. efficiency 97.1%
- String current up to **14A**
- Super high frequency switching technology
- Wide voltage range and low startup voltage
- Precise MPPT algorithm
- Intergrated Export Power Manager (EPM)
- AFCI protection, proactively reduces fire risk
- Compact and lightweight
- Friendly and adaptable connection to the grid





## DATASHEET

## S6-GR1P(1-3)K-M

| Models | 1K | 1.5K | 2K | 2.5K | 3K |
|---|---|---|---|---|---|
| **Input DC** | | | | | |
| Recommended max. PV power | 1.5 kW | 2.3 kW | 3 kW | 3.8 kW | 4.5 kW |
| Max. input voltage | 600 V | | | | |
| Rated voltage | 200 V | | 330 V | | |
| Start-up voltage | 60 V | | 90 V | | |
| MPPT voltage range | 50-500 V | | 80-500 V | | |
| Max. input current | 14 A | | | | |
| Max. short circuit current | 22 A | | | | |
| MPPT number/Max. input strings number | 1/1 | | | | |
| **Output AC** | | | | | |
| Rated output power | 1 kW | 1.5 kW | 2 kW | 2.5 kW | 3 kW |
| Max. apparent output power | 1.1 kVA | 1.65 kVA | 2.2 kVA | 2.75 kVA | 3.3 kVA |
| Max. output power | 1.1 kW | 1.65 kW | 2.2 kW | 2.75 kW | 3.3 kW |
| Rated grid voltage | 1/N/PE, 220 V / 230 V | | | | |
| Rated grid frequency | 50 Hz / 60 Hz | | | | |
| Rated grid output current | 4.5 A / 4.3 A | 6.8 A / 6.5 A | 9.1 A / 8.7 A | 11.4 A / 10.9 A | 13.6 A / 13 A |
| Max. output current | 5.2 A | 8.1 A | 10.5 A | 13.3 A | 15.7 A |
| Power factor | >0.99 (0.8 leading - 0.8 lagging) | | | | |
| THDi | <3% | | | | |
| DC injection current | <0.5% In | | | | |
| **Efficiency** | | | | | |
| Max. efficiency | 96.6% | 96.6% | 97.1% | 97.1% | |
| EU efficiency | 95.3% | 95.4% | 96.6% | 96.7% | |
| **Protection** | | | | | |
| DC reverse-polarity protection | Yes | | | | |
| Short circuit protection | Yes | | | | |
| Output over current protection | Yes | | | | |
| Surge protection | Yes | | | | |
| Grid monitoring | Yes | | | | |
| Anti-islanding protection | Yes | | | | |
| Temperature protection | Yes | | | | |
| Integrated AFCI (DC arc-fault circuit protection) | Yes (1) | | | | |
| Integrated DC switch | Yes | | | | |
| **General Data** | | | | | |
| Dimensions (W*H*D) | 310*373*160 mm | | | | |
| Weight | 7.4 kg | | | 7.7 kg | |
| Topology | Transformerless | | | | |
| Self-consumption (night) | <1 W | | | | |
| Operating ambient temperature range | -25 ~ +60°C | | | | |
| Relative humidity | 0-100% | | | | |
| Ingress protection | IP66 | | | | |
| Noise emission (typical) | <20 dB(A) | | | | |
| Cooling concept | Natural convection | | | | |
| Max. operation altitude | 4000 m | | | | |
| Grid connection standard | IEC 61683, IEC 60068, IEC 61727, IEC 62116, EN 50530, IS 16169 / IS 16221(BIS) | | | | |
| Safety/EMC standard | IEC 62109-1/-2, IEC 61000-6-1/-2/-3/-4 | | | | |
| **Features** | | | | | |
| DC connection | MC4 connector | | | | |
| AC connection | Quick connection plug | | | | |
| Display | LCD | | | | |
| Communication | RS485, Optional: DLS-W, DLS-G | | | | |

(1) Activation required.

# S6-GR1P(4-5)K

Solis Single Phase Inverters

## >> Models:

S6-GR1P4K

S6-GR1P5K

360º View


## Features:

- Max. efficiency 97.7%
- String current up to **14A**
- Super high frequency switching technology
- Wide voltage range and low startup voltage
- 2 MPPT design with precise MPPT algorithm
- Intergrated Export Power Manager (EPM)
- AFCI protection, proactively reduces fire risk
- Compact and lightweight
- Friendly and adaptable connection to the grid





## DATASHEET — S6-GR1P(4-5)K

| Models | 4K | 5K |
|---|---|---|
| **Input DC** | | |
| Recommended max. PV power | 6 kW | 7.5 kW |
| Max. input voltage | 600 V | |
| Rated voltage | 330 V | |
| Start-up voltage | 120 V | |
| MPPT voltage range | 90-520 V | |
| Max. input current | 14 A / 14 A | |
| Max. short circuit current | 22 A / 22 A | |
| MPPT number/Max. input strings number | 2/2 | |
| **Output AC** | | |
| Rated output power | 4 kW | 5 kW |
| Max. apparent output power | 4.4 kVA | 5 kVA |
| Max. output power | 4.4 kW | 5 kW |
| Rated grid voltage | 1/N/PE, 220 V / 230 V | |
| Rated grid frequency | 50 Hz / 60 Hz | |
| Rated grid output current | 18.2 A / 17.4 A | 22.7 A / 21.7 A |
| Max. output current | 21.0 A | 25.0 A |
| Power factor | >0.99 (0.8 leading - 0.8 lagging) | |
| THDi | <3% | |
| DC injection current | <0.5% In | |
| **Efficiency** | | |
| Max. efficiency | 97.6% | 97.7% |
| EU efficiency | 97.1% | |
| **Protection** | | |
| DC reverse-polarity protection | Yes | |
| Short circuit protection | Yes | |
| Output over current protection | Yes | |
| Surge protection | Yes | |
| Grid monitoring | Yes | |
| Anti-islanding protection | Yes | |
| Temperature protection | Yes | |
| Integrated AFCI (DC arc-fault circuit protection) | Yes (1) | |
| Integrated DC switch | Yes | |
| **General Data** | | |
| Dimensions (W*H*D) | 310*543*160 mm | |
| Weight | 12 kg | |
| Topology | Transformerless | |
| Self-consumption (night) | <1 W | |
| Operating ambient temperature range | -25 ~ +60°C | |
| Relative humidity | 0-100% | |
| Ingress protection | IP66 | |
| Noise emission (typical) | <20 dB(A) | |
| Cooling concept | Natural convection | |
| Max. operation altitude | 4000 m | |
| Grid connection standard | IEC 61683, IEC 60068, IEC 61727, IEC 62116, EN 50530, IS 16169 / IS 16221(BIS) | |
| Safety/EMC standard | IEC 62109-1/-2, IEC 61000-6-2/-3 | |
| **Features** | | |
| DC connection | MC4 connector | |
| AC connection | Quick connection plug | |
| Display | LCD | |
| Communication | RS485, Optional: DLS-W, DLS-G | |

(1) Activation required.

# S5-GR3P(5-20)K

Solis Three Phase Inverters

## >> Models:

S5-GR3P5K
S5-GR3P6K
S5-GR3P8K
S5-GR3P10K
S5-GR3P12K
S5-GR3P13K
S5-GR3P15K
S5-GR3P17K
S5-GR3P20K

360º View


## Efficient

- Max. efficiency 98.7%
- String current up to **16A**
- Wide voltage range and low startup voltage

## Smart

- Supports export power control
- Supports RS485, WiFi, GPRS
- Scan to register on SolisCloud, supports remote upgrade and control

## Safe

- IP66
- AFCI protection, proactively reduces fire risk
- Automatic voltage stabilization technology in weak grid conditions

## Economic

- Compact design, simple installation and maintenance
- > 150% DC/AC ratio
- Supports high power modules for lower installation costs





## DATASHEET

## S5-GR3P(5-20)K

| Models | 5K | 6K | 8K | 10K | 12K | 13K | 15K | 17K | 20K |
|---|---|---|---|---|---|---|---|---|---|
| **Input DC** | | | | | | | | | |
| Recommended max. PV power | 7.5 kW | 9 kW | 12 kW | 15 kW | 18 kW | 19.5 kW | 22.5 kW | 25.5 kW | 30 kW |
| Max. input voltage | 1100 V | | | | | | | | |
| Rated voltage | 600 V | | | | | | | | |
| Start-up voltage | 180 V | | | | | | | | |
| MPPT voltage range | 160-1000 V | | | | | | | | |
| Max. input current | 16 A / 16 A | | | | 32 A / 32 A | | | | |
| Max. short circuit current | 20 A / 20 A | | | | 40 A / 40 A | | | | |
| MPPT number/Max. input strings number | 2/2 | | | | 2/4 | | | | |
| **Output AC** | | | | | | | | | |
| Rated output power | 5 kW | 6 kW | 8 kW | 10 kW | 12 kW | 13 kW | 15 kW | 17 kW | 20 kW |
| Max. apparent output power | 5.5 kVA | 6.6 kVA | 8.8 kVA | 11 kVA | 13.2 kVA | 14.3 kVA | 16.5 kVA | 18.7 kVA | 22 kVA |
| Max. output power | 5.5 kW | 6.6 kW | 8.8 kW | 11 kW | 13.2 kW | 14.3 kW | 16.5 kW | 18.7 kW | 22 kW |
| Rated grid voltage | 3/N/PE, 220 V / 380 V, 230 V / 400 V | | | | | | | | |
| Rated grid frequency | 50 Hz / 60 Hz | | | | | | | | |
| Rated grid output current | 7.6 A / 7.2 A | 9.1 A / 8.7 A | 12.2 A / 11.5 A | 15.2 A / 14.4 A | 18.2 A / 17.3 A | 19.8 A / 18.8 A | 22.8 A / 21.7 A | 25.8 A / 24.6 A | 30.4 A / 28.9 A |
| Max. output current | 7.9 A | 9.5 A | 12.7 A | 15.9 A | 19.1 A | 20.7 A | 23.8 A | 27 A | 31.8 A |
| Power factor | >0.99 (0.8 leading - 0.8 lagging) | | | | | | | | |
| THDi | <2% | | | | | | | | |
| DC injection current | <0.5% In | | | | | | | | |
| **Efficiency** | | | | | | | | | |
| Max. efficiency | 98.3% | | 98.5% | | 98.6% | | | 98.7% | |
| EU efficiency | 97.7% | | 97.9% | | 98.0% | | | 98.1% | |
| **Protection** | | | | | | | | | |
| DC reverse-polarity protection | Yes | | | | | | | | |
| Short circuit protection | Yes | | | | | | | | |
| Output over current protection | Yes | | | | | | | | |
| Surge protection | Yes | | | | | | | | |
| Grid monitoring | Yes | | | | | | | | |
| Anti-islanding protection | Yes | | | | | | | | |
| Temperature protection | Yes | | | | | | | | |
| Integrated AFCI (DC arc-fault circuit protection) | Yes (1) | | | | | | | | |
| Integrated DC switch | Yes | | | | | | | | |
| **General Data** | | | | | | | | | |
| Dimensions (W*H*D) | 310*563*219 mm | | | | | | | | |
| Weight | 17.8 kg | | | | | 18.8 kg | | 20 kg | |
| Topology | Transformerless | | | | | | | | |
| Self-consumption (night) | <1 W | | | | | | | | |
| Operating ambient temperature range | -25 ~ +60°C | | | | | | | | |
| Relative humidity | 0-100% | | | | | | | | |
| Ingress protection | IP66 | | | | | | | | |
| Noise emission (typical) | <30 dB(A) | | | | <60 dB(A) | | | | |
| Cooling concept | Natural convection | | | | Intelligent redundant fan-cooling | | | | |
| Max. operation altitude | 4000 m | | | | | | | | |
| Grid connection standard | IEC 61683, IEC 60068, IEC 61727, IEC 62116, EN 50530, IS 16169 / IS 16221(BIS) | | | | | | | | |
| Safety/EMC standard | IEC 62109-1/-2, IEC 61000-6-1/-2/-3/-4 | | | | | | | | |
| **Features** | | | | | | | | | |
| DC connection | MC4 connector | | | | | | | | |
| AC connection | Quick connection plug | | | | | | | | |
| Display | LCD | | | | | | | | |
| Communication | RS485, Optional: DLS-W, DLS-G | | | | | | | | |

(1) Activation required.

1.


2.


3.


4.


5.


6.


7.

## >> Case Study

**6kW Sydney Rooftop power plant**

With plenty of sunshine, it's no surprise more than one in five Australian homes now has solar power. With 18 panels totally 6.6 kilowatts and a 10 kilowatt-hour battery. Their costs are set to drop from $600 a quarter to around $340. This project is in a very good position to save almost $1200 a year.


8.


9.

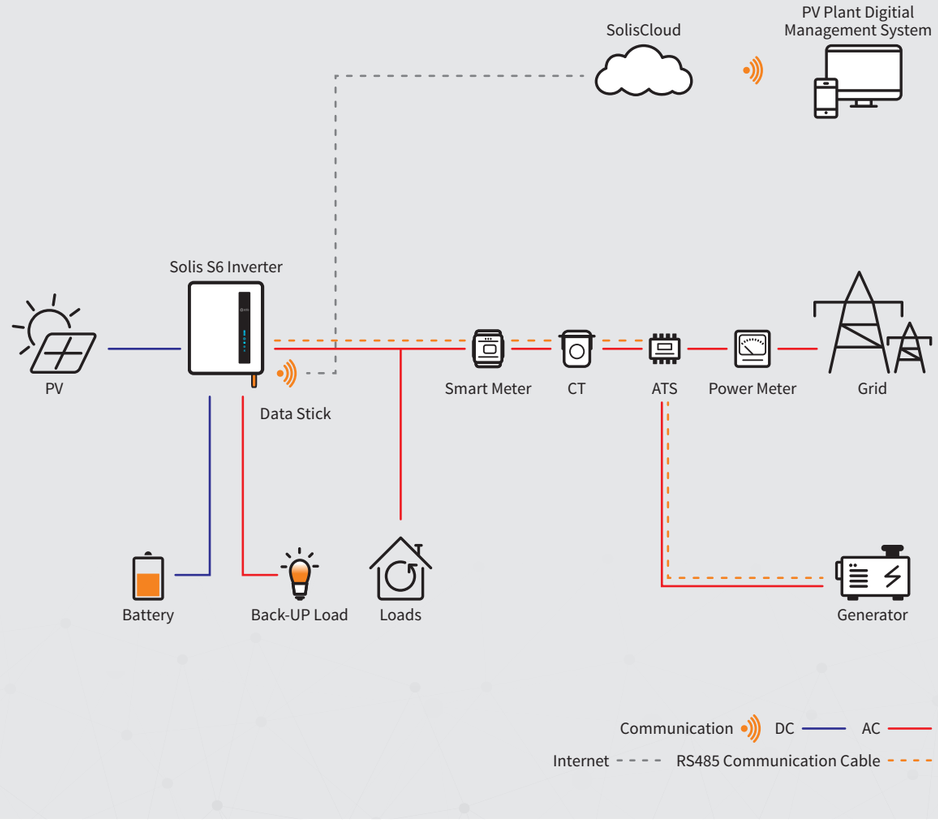
# Residential Energy Storage Solutions



>> The Solis residential energy storage family has abundant products, covering single-phase and three-phase application scenarios. It aims to provide energy storage solutions for PV systems to achieve the goal of real residential zero-carbon green electricity. The power range covers 3 kW - 6 kW. We can according to the requirements of your project application scenarios, rely on our flexible products to provide you with the best residential zero-carbon green power solutions.

>> **Models:** S6-EH1P(3-6)K-L-EU **Output:** 3 kW - 6 kW

## Residential Energy Storage Solution - S6 series



# S6-EH1P(3-6)K-L-EU

Solis Energy Storage Inverters

## >> Models:

S6-EH1P3K-L-EU

S6-EH1P3.6K-L-EU

S6-EH1P4.6K-L-EU

S6-EH1P5K-L-EU

S6-EH1P6K-L-EU


## Highly Flexible

- Integrated 2 MPPTs, suitable for residential rooftop installations with multiple array orientations
- Compatible with multiple brands of battery models giving customers multiple battery options

## Intelligent Function

- Supports up to 10 units in parallel on Grid and Backup. Suitable for small to medium level commercial energy storage systems
- Supports pure off grid applications with generator communication support
- Multiple working modes to meet different use case scenarios
- Controllable and Upgadeable via the SolisCloud App to avoide site visits

## Safe and Reliable

- Safety protection with integrated AFCI function, which actively detects arc faults in the PV Array
- Natural convection design without external fans

## Outstanding Performance

- Up to **16A** of MPPT current input to support 182mm/210mm solar panels
- Supports 1.6 DC:AC ratio to connect more PV capacity to the energy storage system
- Up to 125A/6kW max charge/discharge rating with industry highest level 6kW of backup loads support capability
- UPS level switching time (<10ms) supporting critical loads all the time
- High PV charge efficiency to prevent excess PV loss



• Monitoring Portal – www.soliscloud.com or SolisCloud App • Compatible Batteries – Check online at www.solisinverters.com



## DATASHEET — S6-EH1P(3-6)K-L-EU

| Models | 3K | 3.6K | 4.6K | 5K | 6K |
|---|---|---|---|---|---|
| **Input DC (PV side)** | | | | | |
| Recommended max. PV power | 4.8 kW | 5.7 kW | 7 kW | 8 kW | 9.6 kW |
| Max. input voltage | 600 V | | | | |
| Rated voltage | 330 V | | | | |
| Start-up voltage | 90 V | | | | |
| MPPT voltage range | 90-520 V | | | | |
| Max. input current | 16 A / 16 A | | | | |
| Max. short circuit current | 24 A / 24 A | | | | |
| MPPT number/Max. input strings number | 2/2 | | | | |
| **Battery** | | | | | |
| Battery type | Li-ion / Lead-acid | | | | |
| Battery voltage range | 40 - 60 V | | | | |
| Battery capacity | 50 - 2000 Ah | | | | |
| Max. charge / discharge power | 3 kW | 3.6 kW | 4.6 kW | 5 kW | 6 kW |
| Max. charge / discharge current | 62.5 A | 75 A | 100 A | 105 A | 125 A |
| Communication | CAN/RS485 | | | | |
| Output AC (Back-up) | | | | | |
| Rated output power | 3 kW | 3.6 kW | 4.6 kW | 5 kW | 6 kW |
| Max. apparent output power | 4.2 kVA, 60sec | 5 kVA, 60sec | 6.4 kVA, 60sec | 7 kVA, 60sec | 8 kVA, 60sec |
| Back-up switch time | <10 ms | | | | |
| Rated output voltage | 1/N/PE, 220 V / 230 V | | | | |
| Rated frequency | 50 Hz / 60 Hz | | | | |
| Rated output current | 21.8 A | 26.2 A | 33.4 A | 36.5 A | 40 A |
| THDv (@linear load) | <2% | | | | |
| **Input AC (Grid side)** | | | | | |
| Input voltage range | 187-265 V | | | | |
| Max. input current | 20.4 A | 24.6 A | 31.4 A | 34.2 A | 40 A |
| Frequency range | 45-55 Hz / 55-65 Hz | | | | |
| **Output AC (Grid side)** | | | | | |
| Rated output power | 3 kW | 3.6 kW | 4.6 kW | 5 kW | 6 kW |
| Max. apparent output power | 3.3 kVA | 4 kVA | 4.6 kVA | 5.5 kVA | 6.6 kVA |
| Operation phase | 1/N/PE | | | | |
| Rated grid voltage | 220 V / 230 V | | | | |
| Rated grid frequency | 50 Hz / 60 Hz | | | | |
| Rated grid output current | 13.6 A / 13.1 A | 16.4 A / 15.7 A | 20.9 A / 20 A | 22.8 A / 21.8 A | 27.3 A / 26.1 A |
| Max. output current | 15 A | 18.2 A | 21 A | 25 A | 30 A |
| Power factor | >0.99 (0.8 leading - 0.8 lagging) | | | | |
| THDi | <2% | | | | |
| **Efficiency** | | | | | |
| Max. efficiency | >97.9% | | | | |
| EU efficiency | >97.2% | | | | |
| BAT charged by PV Max. efficiency | > 97.5% | | | | |
| BAT charged/discharged to AC Max. efficiency | > 97.5% | | | | |
| **Protection** | | | | | |
| DC reverse-polarity protection | Yes | | | | |
| Ground fault monitoring | Yes | | | | |
| Integrated AFCI (DC arc-fault circuit protection) | Yes (1) | | | | |
| Protection class/Over voltage category | I/II | | | | |
| **General Data** | | | | | |
| Dimensions (W*H*D) | 380*480*190 mm | | | | |
| Weight | 19.3 kg | | | | |
| Topology | High frequency isolation (for battery) | | | | |
| Operating ambient temperature range | -25 ~ +60°C | | | | |
| Ingress protection | IP66 | | | | |
| Noise emission (typical) | <30 dB(A) | | | | |
| Cooling concept | Natural convection | | | | |
| Max. operation altitude | 4000 m | | | | |
| Grid connection standard | G98 or G99, VDE-AR-N 4105 / VDE V 0124, EN 50549-1, VDE 0126 / UTE C 15 / VFR:2019, RD 1699 / RD 244 / UNE 206006 / UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA | | | | |
| Safety/EMC standard | IEC/EN 62109-1/-2, EN 61000-6-2/-3 | | | | |
| **Features** | | | | | |
| DC connection | MC4 connector | | | | |
| AC connection | Quick connection plug | | | | |
| Display | LED + APP | | | | |
| Communication | RS485, Ethernet, CAN, Optional: DLS-W, DLS-G, LAN | | | | |



(1) Activation required.

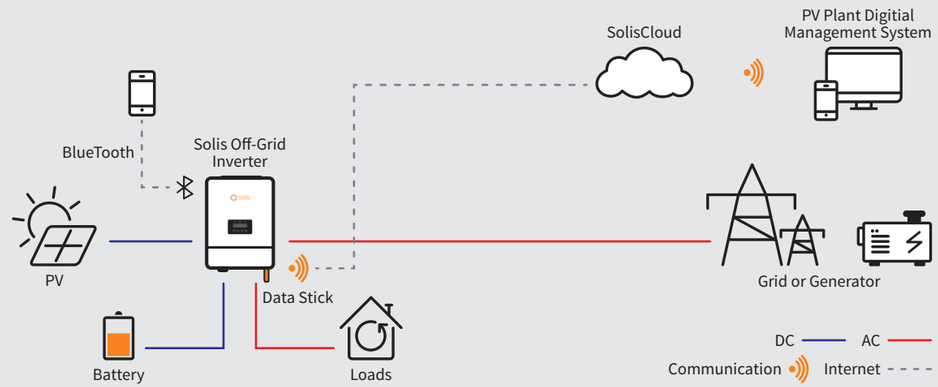
# Off-grid Energy Storage Solutions



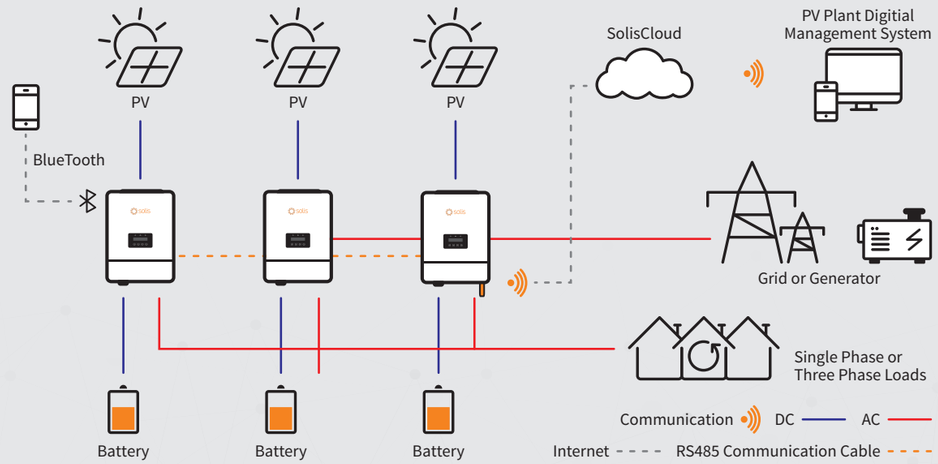
>> Solis EO series inverter is designed for residential off-grid systems in the countries without stable grid power, which can work with batteries to supply power to load and can also charge the batteries through PV plants, grid or generator.

The product has a variety of application scenarios combination modes, and can realize modular system assembly configuration according to needs. And can provide multiple products in parallel to form up to 50kW three-phase or single-phase parallel operation system, which is very suitable for small industrial, commercial or residential energy storage projects.

## Off-grid Energy Storage Solution - Single EO Inverter




## Off-grid Energy Storage Solution - Multiple Parallel EO Inverters



# S5-EO1P(4-5)K-48

Solis Energy Storage Inverters

## >> Models:

S5-EO1P4K-48

S5-EO1P4K-48-P

S5-EO1P5K-48

S5-EO1P5K-48-P

360º View


## Flexible Communications

- Integrated LCD display
- Built-in bluetooth communication
- Remote control & firmware upgrade

## High Performance

- 80 Amp AC charger and 100 Amp solar charger
- Maximum PV input voltage up to 500VDC
- Built-in MPPT solar charge controller

## Adaptive

- Configurable AC/solar input priority based on applications
- Parallel operation up to 10 units (50kW)
- Support 3 phase unbalanced parallel operation
- Intelligent EMS function

## Battery Friendly

- Compatible with all top-tier brands of lithium batteries and lead-acid batteries
- Battery equalization for increased battery performance and lifespan
- Functional with or without a battery
- One-click fast charging mode
- Manual wakeup the overdischarged battery to extend battery lifespan





## DATASHEET — S5-EO1P(4-5)K-48

| Models | 4K-48 | 4K-48-P | 5K-48 | 5K-48-P |
|---|---|---|---|---|
| Parallel capability | NO | Yes, 10 units | NO | Yes, 10 units |
| **Battery** | | | | |
| Rated battery voltage | 48 V | | | |
| Battery type | Li-ion / Lead-acid | | | |
| Max. charge / discharge current | 100 A | | | |
| Communication | CAN/RS485 | | | |
| **Inverter Output** | | | | |
| Rated output power | 4 kVA / 4 kW | | 5 kVA / 5 kW | |
| Rated output voltage | 230 V ± 1% | | | |
| Rated frequency | 50 Hz / 60 Hz ± 0.1% | | | |
| Surge capacity | 8 kVA | | 10 kVA | |
| Output voltage waveform | Pure sine wave | | | |
| Transfer time | 10 ms typical, 20 ms Max | | | |
| THDv (@linear load) | <3% | | | |
| Peak efficiency (PV-AC) | 96.7% | | | |
| **Solar Charger** | | | | |
| Solar chager type | MPPT | | | |
| Recommended max. PV power | 5 kW | | 5.5 kW | |
| Max. input voltage | 500 V | | | |
| MPPT voltage range | 90-480 V | | | |
| MPPT number/Max. input strings number | 1/2 | | | |
| Max. input current per MPPT | 26 A (1) | | | |
| Max. solar charge current | 100 A | | | |
| **AC Charger** | | | | |
| Rated input voltage | 230 V | | | |
| Selectable voltage range | 90-280 V | | | |
| AC frequnence range | 50 Hz / 60 Hz (Auto sensing) | | | |
| Max. AC charge current | 60 A | | 80 A | |
| **Protection** | | | | |
| Output over voltage protection | Yes | | | |
| Output over current protection | Yes | | | |
| Short circuit protection | Yes | | | |
| Surge protection | Yes | | | |
| Temperature protection | Yes | | | |
| Integrated AFCI (DC arc-fault circuit protection) | Yes | | | |
| **General Data** | | | | |
| Dimensions (W*H*D) | 335*450*160 mm | | | |
| Weight | 14 kg | | | |
| Relative humidity | 5% to 95% (Non-condensing) | | | |
| Operating ambient temperature range | -10 ~ +60°C | | | |
| Storage temperature range | -25 ~ +60°C | | | |
| Ingress protection | IP21 | | | |
| Max. operation altitude | 2000 m | | | |
| Safety standard | IEC 62109, IEC 61000 | | | |
| **Features** | | | | |
| DC connection | Terminal connectors | | | |
| AC connection | Terminal connectors | | | |
| Display | LCD | | | |
| Communication | CAN, BMS, RS485, Dry-contact | | | |

(1) Max. input current per string will be 26A for one string's design and 13A for two strings' design;
Max. input short current per string will be 32A for one string's design and 16A for two strings' design.

# Commercial & Industrial Solar PV Solutions



>> Solis industrial and commercial string inverter product line is rich, the power range covers 25kW - 110kW, no matter how large your design and requirements are, we can rely on our flexible products to provide you with the best industry green power solutions.

Solis provides the most extensive industrial and commercial string inverter products on the market, and the products are sold well in various countries and regions in the world. They perform well in various harsh and complex environments, and are very stable and reliable.

Solis' C&I products are compatible with modularity and flexibility in program design. From the perspective of inverter performance improvement, we provide an ideal solution for simplifying system planning and design. Including optimizing software algorithms, optimizing hardware port compatibility, etc., to improve system efficiency and reduce system investment costs.

The power range of Solis' C&I products covers a wide range, with a single power up to 110kW. High-efficiency and high-power-density inverters can reduce installation and maintenance workloads and improve overall cost efficiency.

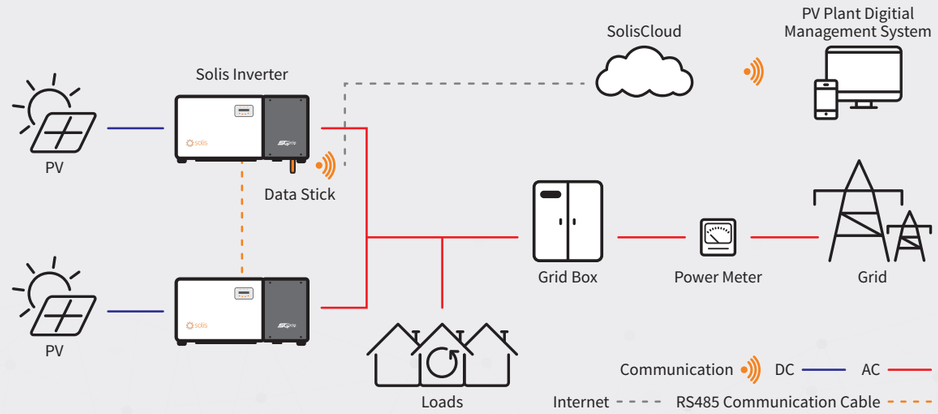
Solis' C&I solutions are supplemented by a series of advanced digital services based on SolisCloud, simplifying the application difficulty of intelligent systems, and providing you with more complete, high-quality and efficient cloud intelligent operation and maintenance solutions.

>> **Models:**

S5-GC(25-50)K
S5-GC(50-70)K
Solis-80K-5G
S5-GC80K
Solis-(100-110)K-5G
S5-GC(100-110)K

**Output:** 25 kW - 110 kW

Commercial & Industrial Solar PV Solution



# S5-GC(25-50)K

Solis Three Phase Inverters

## >> Models:

S5-GC25K

S5-GC30K

S5-GC33K

S5-GC40K

S5-GC40K-HV

S5-GC50K-HV


## Efficient

- Max. efficiency 98.8%
- String current up to **16A**
- 3/4 MPPT design, supports multiple orientation system design
- Night time PID recovery function, increases overall system yield (optional)
- Wide voltage range and low startup voltage

## Safe

- IP66
- AFCI protection, proactively reduces fire risk
- Globally recognised branded componentry for longer life
- Intelligent redundant fan-cooling

## Smart

- Supports export power control
- Intelligent string monitoring, smart I-V curve scan
- Supports RS485, WiFi, GPRS
- Scan to register on SolisCloud, supports remote upgrade and control

## Economic

- Supports GPRS/WiFi communication with less wiring and reduced installation costs
- > 150% DC/AC ratio
- Supports high power modules for lower installation costs
- Supports aluminium wire access to reduce cost





## DATASHEET

## S5-GC(25-50)K

| Models | 25K | 30K | 33K | 40K | 40K-HV | 50K-HV |
|---|---|---|---|---|---|---|
| **Input DC** | | | | | | |
| Recommended max. PV power | 37.5 kW | 45 kW | 49.5 kW | 60 kW | 60 kW | 75 kW |
| Max. input voltage | 1100 V | | | | | |
| Rated voltage | 600 V | | | | | |
| Start-up voltage | 180 V | | | | | |
| MPPT voltage range | 200-1000 V | | | | | |
| Max. input current | 32 A / 32 A / 32 A | | | 4*32 A | | |
| Max. short circuit current | 40 A / 40 A / 40 A | | | 4*40 A | | |
| MPPT number/Max. input strings number | 3/6 | | | 4/8 | | |
| **Output AC** | | | | | | |
| Rated output power | 25 kW | 30 kW | 33 kW | 40 kW | 40 kW | 50 kW |
| Max. apparent output power | 27.5 kVA | 33 kVA | 36.3 kVA | 44 kVA | 44 kVA | 55 kVA |
| Max. output power | 27.5 kW | 33 kW | 36.3 kW | 44 kW | 44 kW | 55 kW |
| Rated grid voltage | 3/N/PE, 220 V / 380 V, 230 V / 400 V | | | | 3/PE, 480 V | |
| Rated grid frequency | 50 Hz / 60 Hz | | | | | |
| Rated grid output current | 38.0 A / 36.1 A | 45.6 A / 43.3 A | 50.1 A / 47.6 A | 60.8 A / 57.7 A | 48.1 A | 60.1 A |
| Max. output current | 41.8 A | 50.2 A | 55.1 A | 66.9 A | 53.0 A | 66.2 A |
| Power factor | >0.99 (0.8 leading - 0.8 lagging) | | | | | |
| THDi | <3% | | | | | |
| DC injection current | <0.5% In | | | | | |
| **Efficiency** | | | | | | |
| Max. efficiency | 98.5% | | 98.6% | 98.7% | 98.8% | |
| EU efficiency | 98.1% | | 98.2% | 98.3% | 98.4% | |
| **Protection** | | | | | | |
| DC reverse-polarity protection | Yes | | | | | |
| Short circuit protection | Yes | | | | | |
| Output over current protection | Yes | | | | | |
| Surge protection | DC Type II / AC Type II | | | | | |
| Grid monitoring | Yes | | | | | |
| Anti-islanding protection | Yes | | | | | |
| Temperature protection | Yes | | | | | |
| Strings monitoring | Yes | | | | | |
| I/V Curve scanning | Yes | | | | | |
| Integrated PID recovery | Optional | | | | | |
| Integrated AFCI (DC arc-fault circuit protection) | Yes (1) | | | | | |
| Integrated DC switch | Yes | | | | | |
| **General Data** | | | | | | |
| Dimensions (W*H*D) | 647*629*252 mm | | | | | |
| Weight | 37 kg | | | | | |
| Topology | Transformerless | | | | | |
| Self-consumption (night) | <1 W | | | | | |
| Operating ambient temperature range | -25 ~ +60°C | | | | | |
| Relative humidity | 0-100% | | | | | |
| Ingress protection | IP66 | | | | | |
| Noise emission (typical) | ≤60 dB(A) | | | | | |
| Cooling concept | Intelligent redundant fan-cooling | | | | | |
| Max. operation altitude | 4000 m | | | | | |
| Grid connection standard | IEC 61683, IEC 60068, IEC 61727, IEC 62116, EN 50530, IS 16169 / IS 16221(BIS) | | | | | |
| Safety/EMC standard | IEC 62109-1/-2, IEC 61000-6-1/-2/-3/-4 | | | | | |
| **Features** | | | | | | |
| DC connection | MC4 connector | | | | | |
| AC connection | Screw type terminal block | | | | | |
| Display | LCD | | | | | |
| Communication | RS485, Optional: DLS-W, DLS-G | | | | | |

(1) Activation required.

# S5-GC(50-70)K

Solis Three Phase Inverters

## >> Models:

S5-GC50K

S5-GC60K

S5-GC60K-HV

S5-GC70K-HV

360º View


## Efficient

- Max. efficiency 98.7%
- String current up to **16A**
- 5/6 MPPT design, supports multiple orientation system design
- Night time PID recovery function, increases overall system yield (optional)

## Safe

- IP66, C5 Anti-Corrosion Level
- Intelligent redundant fan-cooling
- Globally recognised branded componentry for longer life
- AFCI protection, proactively reduces fire risk

## Smart

- Night SVG function
- Supports export power control
- Intelligent string monitoring, smart I-V curve scan
- Scan to register on SolisCloud, supports remote upgrade and control

## Economic

- Supports GPRS/WiFi communication with less wiring and reduced installation costs
- DC side supports "Y" connector
- Supports aluminium wire access to reduce cost
- 10/12 string inputs allow for 150%+ DC oversizing





## DATASHEET

## S5-GC(50-70)K

| Models | 50K | 60K | 60K-HV | 70K-HV |
|---|---|---|---|---|
| **Input DC** | | | | |
| Recommended max. PV power | 75 kW | 90 kW | 90 kW | 105 kW |
| Max. input voltage | 1100 V | | | |
| Rated voltage | 600 V | | 720 V | |
| Start-up voltage | 195 V | | | |
| MPPT voltage range | 180-1000 V | | | |
| Max. input current | 5*32 A | 6*32 A | | |
| Max. short circuit current | 5*40 A | 6*40 A | | |
| MPPT number/Max. input strings number | 5/10 | 6/12 | | |
| **Output AC** | | | | |
| Rated output power | 50 kW | 60 kW | 60 kW | 70 kW |
| Max. apparent output power | 55 kVA | 66 kVA | 66 kVA | 77 kVA |
| Max. output power | 55 kW | 66 kW | 66 kW | 77 kW |
| Rated grid voltage | 3/N/PE, 220 V / 380 V, 230 V / 400 V | | 3/PE, 480 V | |
| Rated grid frequency | 50 Hz / 60 Hz | | | |
| Rated grid output current | 76.0 A / 72.2 A | 91.2 A / 86.6 A | 72.2 A | 84.2 A |
| Max. output current | 83.6 A | 100.3 A | 79.4 A | 92.6 A |
| Power factor | >0.99 (0.8 leading - 0.8 lagging) | | | |
| THDi | <3% | | | |
| DC injection current | <0.5% In | | | |
| **Efficiency** | | | | |
| Max. efficiency | 98.7% | | | |
| EU efficiency | 98.3% | | 98.4% | |
| **Protection** | | | | |
| DC reverse-polarity protection | Yes | | | |
| Short circuit protection | Yes | | | |
| Output over current protection | Yes | | | |
| Surge protection | DC Type II / AC Type II | | | |
| Grid monitoring | Yes | | | |
| Anti-islanding protection | Yes | | | |
| Temperature protection | Yes | | | |
| Strings monitoring | Yes | | | |
| I/V Curve scanning | Yes | | | |
| Integrated AFCI (DC arc-fault circuit protection) | Yes [1] | | | |
| Integrated PID recovery | Optional [2] | | | |
| Integrated DC switch | Yes | | | |
| **General Data** | | | | |
| Dimensions (W*H*D) | 691*578*338 mm | | | |
| Weight | 54.5 kg | | | |
| Topology | Transformerless | | | |
| Self-consumption (night) | <1 W | | | |
| Operating ambient temperature range | -25 ~ +60°C | | | |
| Relative humidity | 0-100% | | | |
| Ingress protection | IP66 | | | |
| Noise emission (typical) | <55 dB(A) | | | |
| Cooling concept | Intelligent redundant fan-cooling | | | |
| Max. operation altitude | 4000 m | | | |
| Grid connection standard | IEC 61683, IEC 60068, IEC 61727, IEC 62116, EN 50530, IS 16169 / IS 16221(BIS) | | | |
| Safety/EMC standard | IEC 62109-1/-2, IEC 61000-6-1/-2/-3/-4 | | | |
| **Features** | | | | |
| DC connection | MC4 connector | | | |
| AC connection | OT terminal (max. 70 $mm^2$) | | | |
| Display | LCD, Capacitive touch buttons | | | |
| Communication | RS485, USB, Optional: DLS-W, DLS-G | | | |

(1) Activation required.

(2) Due to the similar functional logic, when the night time PID-Recovery function is integrated, the night time var compensation function can not be used. Also, the negative grounding option is not available for inverters with night time PID-Recovery function.

# Solis-80K-5G

Solis Three Phase Inverters

360º View

## >> Models:

Solis-80K-5G


### Efficient

- 9 MPPTs, max. efficiency 98.7%
- > 150% DC/AC ratio
- Compatible with bifacial modules

### Safe

- IP66
- Built-in PID recovery for better module performance (optional)
- AFCI protection, proactively reduces fire risk
- Globally recognised branded componentry for longer life

### Smart

- Night SVG function
- Intelligent string monitoring, smart I-V curve scan
- Remote firmware upgrade with simple operation

### Economic

- Power line communication (PLC) (optional)
- DC side supports "Y" connector
- Supports aluminium wire access to reduce cost





| DATASHEET | Solis-80K-5G |
|---|---|
| **Models** | **80K** |
| **Input DC** | |
| Max. input voltage | 1100 V |
| Rated voltage | 600 V |
| Start-up voltage | 195 V |
| MPPT voltage range | 180-1000 V |
| Max. input current | 9*26 A |
| Max. short circuit current | 9*40 A |
| MPPT number/Max. input strings number | 9/18 |
| **Output AC** | |
| Rated output power | 80 kW |
| Max. apparent output power | 88 kVA |
| Max. output power | 88 kW |
| Rated grid voltage | 3/N/PE, 220 V / 380 V, 230 V / 400 V |
| Rated grid frequency | 50 Hz / 60 Hz |
| Rated grid output current | 121.6 A / 115.5 A |
| Max. output current | 133.7 A |
| Power factor | >0.99 (0.8 leading - 0.8 lagging) |
| THDi | <3% |
| DC injection current | <0.5% In |
| **Efficiency** | |
| Max. efficiency | 98.7% |
| EU efficiency | 98.3% |
| **Protection** | |
| DC reverse-polarity protection | Yes |
| Short circuit protection | Yes |
| Output over current protection | Yes |
| Surge protection | DC Type II / AC Type II |
| Grid monitoring | Yes |
| Anti-islanding protection | Yes |
| Temperature protection | Yes |
| Strings monitoring | Yes |
| I/V Curve scanning | Yes |
| Integrated PID recovery | Optional |
| Integrated AFCI (DC arc-fault circuit protection) | Yes (1) |
| Integrated DC switch | Yes |
| Integrated AC switch | Optional |
| **General Data** | |
| Dimensions (W*H*D) | 1050*567*314.5 mm (with AC switch) |
| Weight | 82 kg |
| Topology | Transformerless |
| Self-consumption (night) | <2 W |
| Operating ambient temperature range | -30 ~ +60°C |
| Relative humidity | 0-100% |
| Ingress protection | IP66 |
| Noise emission (typical) | ≤65 dB(A) |
| Cooling concept | Intelligent redundant fan-cooling |
| Max. operation altitude | 4000 m |
| Grid connection standard | IEC 61683, IEC 60068, IEC 61727, IEC 62116, EN 50530, IS 16169 / IS 16221(BIS) |
| Safety/EMC standard | IEC 62109-1/-2, IEC 61000-6-2/-4 |
| **Features** | |
| DC connection | MC4 connector |
| AC connection | OT terminal (max. 185 $mm^2$) |
| Display | LCD |
| Communication | RS485, Optional: DLS-W, DLS-G, PLC |

(1) Activation required.

# S5-GC80K

Solis Three Phase Inverters

360º View

## >> Models:

S5-GC80K


### Efficient

- 9 MPPTs, max. efficiency 98.7%
- > 150% DC/AC ratio
- String current up to **16A**, perfectly match large current bifacial modules

### Safe

- IP66
- Built-in PID recovery for better module performance (optional)
- AFCI protection, proactively reduces fire risk
- Globally recognised branded componentry for longer life

### Smart

- Night SVG function
- Intelligent string monitoring, smart I-V curve scan
- Remote firmware upgrade with simple operation

### Economic

- Power line communication (PLC) (optional)
- DC side supports "Y" connector
- Supports aluminium wire access to reduce cost





| DATASHEET | S5-GC80K |
|---|---|
| **Models** | **80K** |
| **Input DC** | |
| Max. input voltage | 1100 V |
| Rated voltage | 600 V |
| Start-up voltage | 195 V |
| MPPT voltage range | 180-1000 V |
| Max. input current | 9*32 A |
| Max. short circuit current | 9*40 A |
| MPPT number/Max. input strings number | 9/18 |
| **Output AC** | |
| Rated output power | 80 kW |
| Max. apparent output power | 88 kVA |
| Max. output power | 88 kW |
| Rated grid voltage | 3/N/PE, 220 V / 380 V, 230 V / 400 V |
| Rated grid frequency | 50 Hz / 60 Hz |
| Rated grid output current | 121.6 A / 115.5 A |
| Max. output current | 133.7 A |
| Power factor | >0.99 (0.8 leading - 0.8 lagging) |
| THDi | <3% |
| DC injection current | <0.5% In |
| **Efficiency** | |
| Max. efficiency | 98.7% |
| EU efficiency | 98.3% |
| **Protection** | |
| DC reverse-polarity protection | Yes |
| Short circuit protection | Yes |
| Output over current protection | Yes |
| Surge protection | DC Type II / AC Type II |
| Grid monitoring | Yes |
| Anti-islanding protection | Yes |
| Temperature protection | Yes |
| Strings monitoring | Yes |
| I/V Curve scanning | Yes |
| Integrated PID recovery | Optional |
| Integrated AFCI (DC arc-fault circuit protection) | Yes (1) |
| Integrated DC switch | Yes |
| Integrated AC switch | Optional |
| **General Data** | |
| Dimensions (W*H*D) | 1050*567*314.5 mm (with AC switch) |
| Weight | 85 kg |
| Topology | Transformerless |
| Self-consumption (night) | <2 W |
| Operating ambient temperature range | -30 ~ +60°C |
| Relative humidity | 0-100% |
| Ingress protection | IP66 |
| Noise emission (typical) | ≤65 dB(A) |
| Cooling concept | Intelligent redundant fan-cooling |
| Max. operation altitude | 4000 m |
| Grid connection standard | IEC 61683, IEC 60068, IEC 61727, IEC 62116, EN 50530, IS 16169 / IS 16221(BIS) |
| Safety/EMC standard | IEC 62109-1/-2, IEC 61000-6-2/-4 |
| **Features** | |
| DC connection | MC4 connector |
| AC connection | OT terminal (max. 185 mm²) |
| Display | LCD |
| Communication | RS485, Optional: DLS-W, DLS-G, PLC |

(1) Activation required.

# Solis-(100-110)K-5G

Solis Three Phase Inverters

360º View

## >> Models:

Solis-100K-5G  Solis-110K-5G


## Efficient

- 10 MPPTs, max. efficiency 98.7%
- > 150% DC/AC ratio
- High power tracking density 90MPPT/MW
- Compatible with bifacial modules

## Smart

- Night SVG function
- Intelligent string monitoring, smart I-V curve scan
- Remote firmware upgrade with simple operation

## Safe

- AFCI protection, proactively reduces fire risk
- Built-in PID recovery for better module performance (optional)
- Type I SPD for AC (optional)
- Globally recognised branded componentry for longer life

## Economic

- Power line communication (PLC) (optional)
- DC side supports "Y" connector
- Supports aluminium wire access to reduce cost





## DATASHEET

## Solis-(100-110)K-5G

| Models | 100K | 110K |
|---|---|---|
| **Input DC** | | |
| Max. input voltage | 1100 V | |
| Rated voltage | 600 V | |
| Start-up voltage | 195 V | |
| MPPT voltage range | 180-1000 V | |
| Max. input current | 10*26 A | |
| Max. short circuit current | 10*40 A | |
| MPPT number/Max. input strings number | 10/20 | |
| **Output AC** | | |
| Rated output power | 100 kW | 110 kW |
| Max. apparent output power | 110 kVA | 121 kVA |
| Max. output power | 110 kW | 121 kW |
| Rated grid voltage | 3/N/PE, 220 V / 380 V, 230 V / 400 V | |
| Rated grid frequency | 50 Hz / 60 Hz | |
| Rated grid output current | 152.0 A / 144.3 A | 167.1 A / 158.8 A |
| Max. output current | 167.1 A | 183.8 A |
| Power factor | >0.99 (0.8 leading - 0.8 lagging) | |
| THDi | <3% | |
| DC injection current | <0.5% In | |
| **Efficiency** | | |
| Max. efficiency | 98.7% | |
| EU efficiency | 98.3% | |
| **Protection** | | |
| DC reverse-polarity protection | Yes | |
| Short circuit protection | Yes | |
| Output over current protection | Yes | |
| Surge protection | DC Type II / AC Type II (AC Type I optional) | |
| Grid monitoring | Yes | |
| Anti-islanding protection | Yes | |
| Temperature protection | Yes | |
| Strings monitoring | Yes | |
| I/V Curve scanning | Yes | |
| Integrated PID recovery | Optional | |
| Integrated AFCI (DC arc-fault circuit protection) | Yes (1) | |
| Integrated DC switch | Yes | |
| Integrated AC switch | Optional | |
| **General Data** | | |
| Dimensions (W*H*D) | 1065*567*344.5 mm | |
| Weight | 91 kg | |
| Topology | Transformerless | |
| Self-consumption (night) | <2 W | |
| Operating ambient temperature range | -30 ~ +60°C | |
| Relative humidity | 0-100% | |
| Ingress protection | IP66 | |
| Noise emission (typical) | ≤65 dB(A) | |
| Cooling concept | Intelligent redundant fan-cooling | |
| Max. operation altitude | 4000 m | |
| Grid connection standard | IEC 61683, IEC 60068, IEC 61727, IEC 62116, EN 50530, IS 16169 / IS 16221(BIS) | |
| Safety/EMC standard | IEC 62109-1/-2, IEC 61000-6-2/-4 | |
| **Features** | | |
| DC connection | MC4 connector | |
| AC connection | OT terminal (max. 185 $mm^2$) | |
| Display | LCD | |
| Communication | RS485, Optional: DLS-W, DLS-G, PLC | |

(1) Activation required.

# S5-GC(100-110)K

Solis Three Phase Inverters

360º View

## >> Models:

S5-GC100K S5-GC110K


### Efficient

- 10 MPPTs, max. efficiency 98.7%
- > 150% DC/AC ratio
- High power tracking density 90MPPT/MW
- String current up to **16A**, perfectly match large current bifacial modules

### Smart

- Night SVG function
- Intelligent string monitoring, smart I-V curve scan
- Remote firmware upgrade with simple operation

### Safe

- AFCI protection, proactively reduces fire risk
- Built-in PID recovery for better module performance (optional)
- Type I SPD for AC (optional)
- Globally recognised branded componentry for longer life

### Economic

- Power line communication (PLC) (optional)
- DC side supports "Y" connector
- Supports aluminium wire access to reduce cost





## DATASHEET

| Models | S5-GC(100-110)K 100K | 110K |
|---|---|---|
| **Input DC** | | |
| Max. input voltage | 1100 V | |
| Rated voltage | 600 V | |
| Start-up voltage | 195 V | |
| MPPT voltage range | 180-1000 V | |
| Max. input current | 10*32 A | |
| Max. short circuit current | 10*40 A | |
| MPPT number/Max. input strings number | 10/20 | |
| **Output AC** | | |
| Rated output power | 100 kW | 110 kW |
| Max. apparent output power | 110 kVA | 121 kVA |
| Max. output power | 110 kW | 121 kW |
| Rated grid voltage | 3/N/PE, 220 V / 380 V, 230 V / 400 V | |
| Rated grid frequency | 50 Hz / 60 Hz | |
| Rated grid output current | 152.0 A / 144.3 A | 167.1 A / 158.8 A |
| Max. output current | 167.1 A | 183.8 A |
| Power factor | >0.99 (0.8 leading - 0.8 lagging) | |
| THDi | <3% | |
| DC injection current | <0.5% In | |
| **Efficiency** | | |
| Max. efficiency | 98.7% | |
| EU efficiency | 98.3% | |
| **Protection** | | |
| DC reverse-polarity protection | Yes | |
| Short circuit protection | Yes | |
| Output over current protection | Yes | |
| Surge protection | DC Type II / AC Type II (AC Type I optional) | |
| Grid monitoring | Yes | |
| Anti-islanding protection | Yes | |
| Temperature protection | Yes | |
| Strings monitoring | Yes | |
| I/V Curve scanning | Yes | |
| Integrated PID recovery | Optional | |
| Integrated AFCI (DC arc-fault circuit protection) | Yes (1) | |
| Integrated DC switch | Yes | |
| Integrated AC switch | Optional | |
| **General Data** | | |
| Dimensions (W*H*D) | 1065*567*344.5 mm | |
| Weight | 91 kg | |
| Topology | Transformerless | |
| Self-consumption (night) | <2 W | |
| Operating ambient temperature range | -30 ~ +60°C | |
| Relative humidity | 0-100% | |
| Ingress protection | IP66 | |
| Noise emission (typical) | ≤65 dB(A) | |
| Cooling concept | Intelligent redundant fan-cooling | |
| Max. operation altitude | 4000 m | |
| Grid connection standard | IEC 61683, IEC 60068, IEC 61727, IEC 62116, EN 50530, IS 16169 / IS 16221(BIS) | |
| Safety/EMC standard | IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4 | |
| **Features** | | |
| DC connection | MC4 connector | |
| AC connection | OT terminal (max. 185 $mm^2$) | |
| Display | LCD | |
| Communication | RS485, Optional: DLS-W, DLS-G, PLC | |

(1) Activation required.


1.


2.

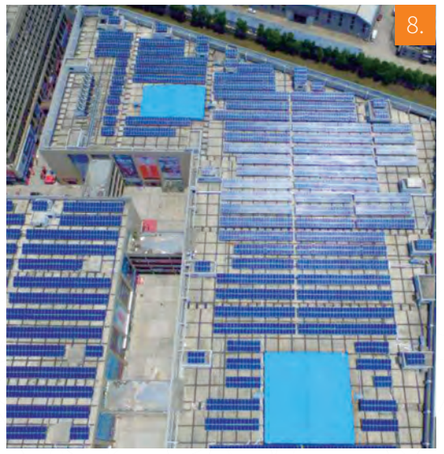

3.


4.


5.


6.


7.


8.

## >> Case Study

**2MW Solis Solar PV System Unlocks Over £80,000 Annual Electricity Costs Savings**

With over 15 years of experience and zero bank debt, Solis ticked this box easily. Other points that led to Solis inverters being chosen were product reliability, grid connectivity and design flexibility offered by multiple MPPT's. Designed specifically for commercial rooftop applications, the 110kW integrates our fifth-generation technology and best-in-class components to deliver an industry leading efficiency and performance. Working together with our commercial customers we can ensure that the maximum energy yield and ROI is realised.

# Utility Scale Solar PV Solutions




>> Solis has optimized and innovated around the entire process of utility solar PV solutions. Deeply integrated system design, digital management, and IoT technology effectively optimize the initial investment and future O&M costs of the power station increasing the power generation of the system and the rate of return on investment. Through the concept of "Efficient, safe, reliable, smart O&M, and system-friendly" we maximise the value for customers.

The 1500V high-power system solution can effectively reduce the number of equipment and cable consumption, reduce the initial investment cost, and facilitate installation and maintenance.

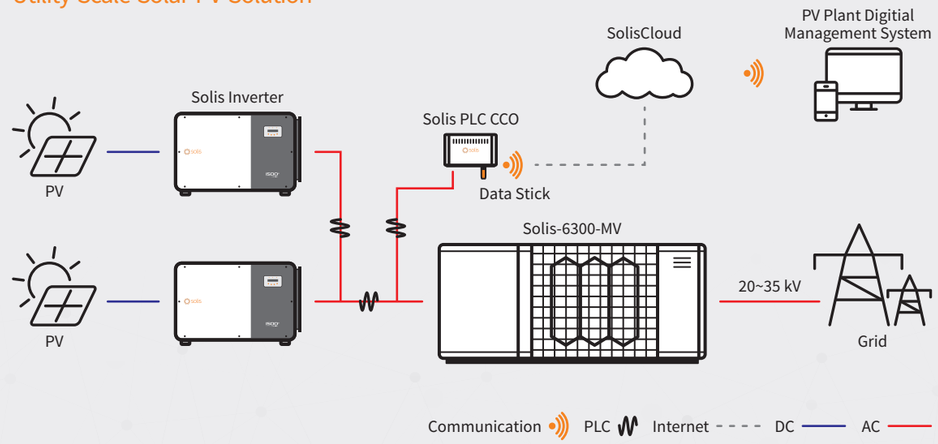
Solis utility PV solution has the characteristics of low LCOE. From the perspective of inverter performance improvement, it includes optimizing software algorithms and optimizing hardware port compatibility to improve system efficiency and reduce system investment costs.

Solis utility inverter has a large single power, up to 255kW. The high-efficiency and high-power-density inverter can reduce the workload of installation and maintenance, reduce costs and improve efficiency.

Solis utility PV solution is supplemented by a series of advanced digital services and intelligent monitoring equipment based on SolisCloud, simplifying the application difficulty of the intelligent system, and providing a more complete, high-quality and efficient cloud smart O&M solution.

>> **Models:** Solis-(215-255)K-EHV-5G **Output:** 215 kW - 255 kW

## Utility Scale Solar PV Solution



# Solis-(215-255)K-EHV-5G

Solis Three Phase Inverters

360º View

## >> Models:

Solis-215K-EHV-5G-PLUS
Solis-250K-EHV-5G
Solis-250K-EHV-5G-PLUS
Solis-255K-EHV-5G
Solis-255K-EHV-5G-PLUS


## Efficient

- 9/12/14 MPPTs, max. efficiency 99.0%
- > 150% DC/AC ratio
- High power tracking density 60MPPT/MW
- Compatible with 500W+ bifacial modules

## Safe

- IP66
- Built-in PID recovery for better module performance
- Fuse free design, safe and maintenance free
- Globally recognised branded componentry for longer life

## Smart

- Night SVG function
- Intelligent string monitoring, smart I-V curve scan
- Remote firmware upgrade with simple operation

## Economic

- Power line communication (PLC) (optional)
- DC side supports "Y" connector
- Supports aluminium wire access to reduce cost



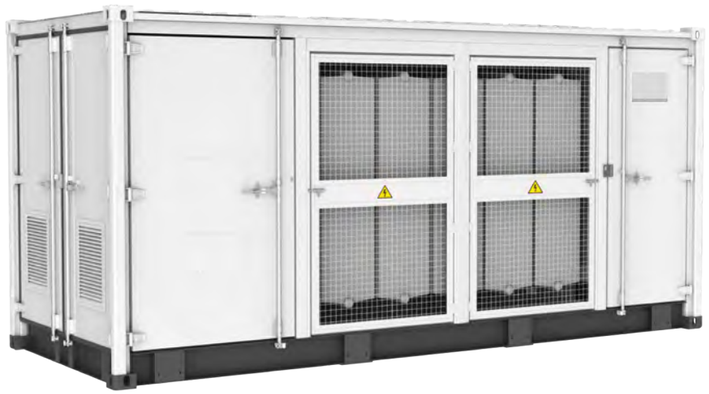


## DATASHEET — Solis-(215-255)K-EHV-5G

| Models | 215K-PLUS | 250K | 250-PLUS | 255K | 255K-PLUS |
|---|---|---|---|---|---|
| **Input DC** | | | | | |
| Max. input voltage | 1500 V | | | | |
| Rated voltage | 1080 V | | | | |
| Start-up voltage | 500 V | | | | |
| MPPT voltage range | 480-1500 V | | | | |
| Max. input current | 9*30 A | 14*26 A | 12*30 A | 14*26 A | 12*30 A |
| Max. short circuit current | 9*50 A | 14*40 A | 12*50 A | 14*40 A | 12*50 A |
| MPPT number/Max. input strings number | 9/18 | 14/28 | 12/24 | 14/28 | 12/24 |
| **Output AC** | | | | | |
| Output power | 215 kVA | 250 kVA | | 255 kVA | |
| Rated grid voltage | 3/PE, 800 V | | | | |
| Grid voltage range | 640-920 V | | | | |
| Rated grid frequency | 50 Hz / 60 Hz | | | | |
| Max. output current | 155.2 A | 180.4 A | | 184.0 A | |
| Power factor | >0.99 (0.8 leading - 0.8 lagging) | | | | |
| THDi | <3% | | | | |
| DC injection current | <0.5% In | | | | |
| **Efficiency** | | | | | |
| Max. efficiency | 99.0% | | | | |
| EU efficiency | 98.8% | 98.7% | 98.8% | 98.7% | 98.8% |
| **Protection** | | | | | |
| DC reverse-polarity protection | Yes | | | | |
| Short circuit protection | Yes | | | | |
| Output over current protection | Yes | | | | |
| Surge protection | DC Type II / AC Type II | | | | |
| Grid monitoring | Yes | | | | |
| Anti-islanding protection | Yes | | | | |
| Temperature protection | Yes | | | | |
| Strings monitoring | Yes | | | | |
| I/V Curve scanning | Yes | | | | |
| Night time SVG function | Yes | | | | |
| Integrated PID recovery | Yes | | | | |
| Integrated DC switch | Yes | | | | |
| **General Data** | | | | | |
| Dimensions (W*H*D) | 1125*770*384 mm | | | | |
| Weight | 109 kg | 113 kg | | | |
| Topology | Transformerless | | | | |
| Self-consumption (night) | <2 W | | | | |
| Operating ambient temperature range | -30 ~ +60°C | | | | |
| Relative humidity | 0-100% | | | | |
| Ingress protection | IP66 | | | | |
| Noise emission (typical) | ≤65 dB(A) | | | | |
| Cooling concept | Intelligent redundant fan-cooling | | | | |
| Max. operation altitude | 4000 m | | | | |
| Grid connection standard | EN50549, G99, AS4777.2, VDE0126, IEC61727, VDE4110, CEA 2019 | | | | |
| Safety/EMC standard | IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4 | | | | |
| **Features** | | | | | |
| DC connection | MC4 connector | | | | |
| AC connection | OT terminal (max. 300 $mm^2$) | | | | |
| Display | LCD | | | | |
| Communication | RS485, Optional: PLC | | | | |

# Solis-6300-MV

Solis PV Station - For 1500 V string inverter Solis 255K



## Integrated delivery

- Mainstream 6.3MW subarray,widely used global
- 20 foot standard container delivery, easy to transport

## Reliable products

- LV panel, transformer and RMU be placed independently
- Adopt international first-line brand equipment with reliable quality

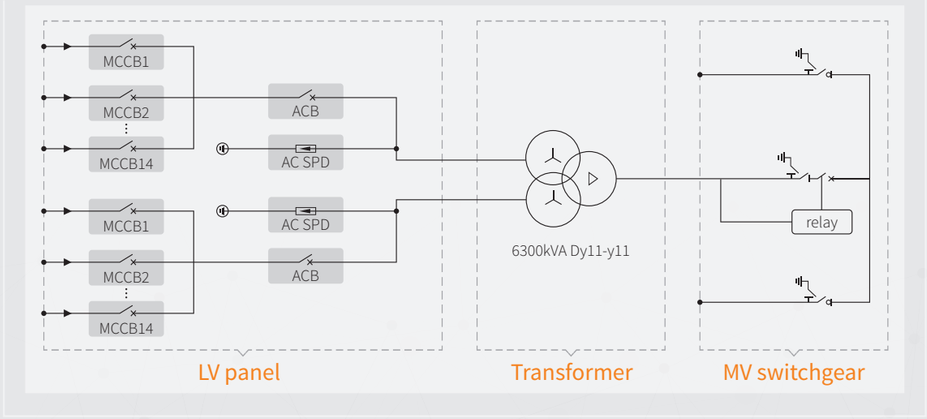
## Convenient installation

- A complete solution, from inverter to main step-up transformer
- When the container is lifted to the foundation, only LV and MV cables need to be connected

## Easy O&M

- Full frontal maintenance design
- Modular design of MV equipment, easy to replace

## >> Circuit diagram








| DATASHEET | Solis-6300-MV |
|---|---|
| **Models** | **6300** |
| **LV panel** | |
| MCCB specification | 250 A / 800 Vac / 3P, 14*2 pcs |
| ACB specification | 3200 A / 800 Vac / 3P, 1*2 pcs |
| Connection form with transformer | Copper busbar |
| **Transformer** | |
| Transformer type | Oil immersed |
| Rated output power | 6300 kVA @ 40°C |
| Max. output power | 6930 kVA @ 40°C 3h |
| LV/MV voltage | 0.8 kV / 10-35 kV |
| Max. input current | 2577 A *2 |
| Tapping on HV | ±2*2.5% |
| Vector group | Dy11y11 |
| Frequency | 50 Hz / 60 Hz |
| Cooling type | ONAN |
| Impedance | 7% |
| Oil type | Mineral oil (Optional: plant oil) |
| Winding material | Al/Al (Optional: Cu/Cu) |
| Insulation class | A |
| Connection form with MV switchgear | Cable |
| **MV Switchgear** | |
| Type of insulate | SF6 |
| Rate voltage | 12-36 kV |
| Rate current | 630 A |
| Internal arcing fault | 20 kA / 1 s |
| Qty of feeder | 3 feeders |
| **Protection** | |
| LV surge protection | AC type I+II |
| AC input protection | Circuit breaker |
| Transformer protection | Oil-temperature, oil-level, oil-pressure |
| Fire protection | Smoke detection, emergency lighting |
| **General Data** | |
| Dimensions (W*H*D) | 6058*2896*2438 mm |
| Approximate weight | 24 T |
| Operating temperature range | -25 ~ +60°C |
| Operating altitude | 1000 m (standard) |
| Auxiliary power supply | 5 kVA / 230 V (Optional: max. 40 kVA) |
| UPS | 1 kVA 30 min (Optional: max. 2 kVA 2h) |
| Degree of protection | IP54 |
| Allowable relative humidity range | 0-95% |
| Communication | RS485, Ethernet, Optical fiber |
| Compliance | IEC 60076, IEC 62271, IEC61439 |

## >> Case Study

**World's Largest Tidal-Flat 300MW Utility Scale Solar PV Plant**

After the project is put into operation, the generating capacity is estimated to be 400,000,000 kWh/ year and deliver a reduction of 350, 000 tons of $CO_2$, 12,000 tons of $SO_2$, and 110,000 tons of Carbon dust. Solis commercial scale string inverters boast an abundance of technological features which can adapt to a variety of environments. We look forward to seeing more applications utilizing Solis inverters. We stand committed to our mission - Developing Technology to Power the World with Clean Energy.

1.

2.

3.

4.

5.

6.

7.

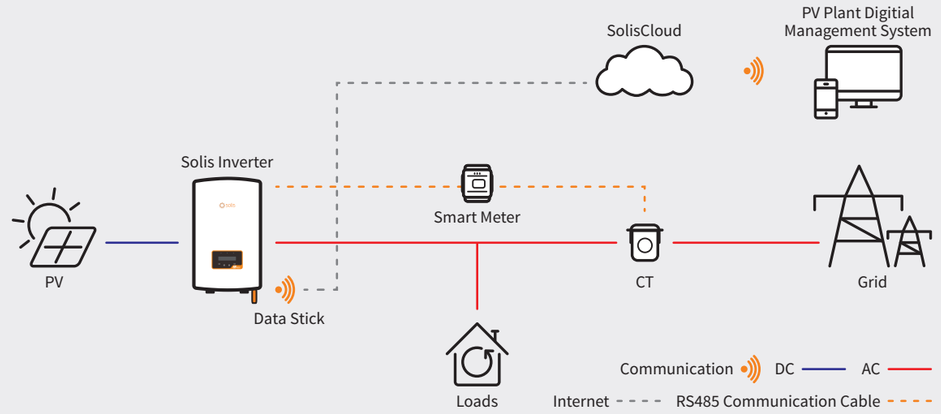
# Export Power Management Solutions



>> In some countries local regulations limit the amount of PV power that can be exported to the grid or allow no export. Solis offers two export limitation solutions for single and multiple inverters system.

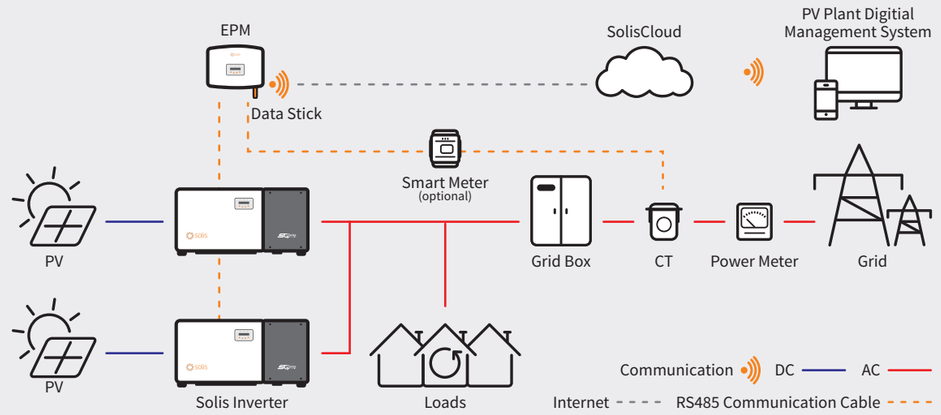
## >> Export Power Management Solutions - Single-inverter System

In a single-inverter system, the export limitation is integrated into the inverter firmware. Use a meter or a CT to measure the output of the system, then to adjust PV power production.




## >> Export Power Management Solution - Multi-inverter System

In a multi-inverter system, the export limitation is integrated into the EPM (Export Power Manager) firmware. The EPM will monitor and control the backflow power from the inverter to the grid thus providing export power control of inverters.



# Solis-EPM-5G

Accessories - Solis Export Power Manager

## >> Models:

Solis-EPM1-5G

Solis-EPM3-5G

Solis-EPM3-5G-PRO

360º View


### Smart & strong

- Simultaneous control of 60 X Solis inverters
- Realizing reactive compensation of the system, which ensure the power factor of the system is up to standard

### Saving & high precision

- Simultaneously monitor the operating data of the 60 X Solis inverter, saving the cost of the monitoring system
- The control accuracy is up to 3%, which improves the system's spontaneous use rate

### Friendly & compatible

- Supports simultaneous access of Solis inverters with different powers
- Monitor power generation and load consumption at all times



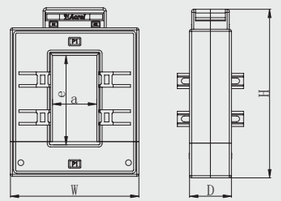


## DATASHEET

## Solis-EPM-5G

| Models | Solis-EPM1-5G | Solis-EPM3-5G | Solis-EPM3-5G-PRO |
|---|---|---|---|
| **Input AC** | | | |
| Rated voltage | 230 V, 1/N/PE | 400 V, 3/N/PE or 3/PE | |
| Input voltage range | 100~ 300 V (L-N) | 175~ 650 V (L-L) | |
| Input frequency range | 45~65 Hz | | |
| **Communication** | | | |
| Inverter communication | Modbus | | |
| Communication with inverter | RS485 (Wired) | | |
| Max. communication inverter numbers | 10 | 60 (1) | |
| Max. communication distance | 1000 m | | |
| Monitoring | S3-GPRS-ST/ S3-WiFi-ST (optional) | | |
| **General Data** | | | |
| Ambient temperature | -25 ~ +60°C | | |
| Relative humidity | 5%~95% | | |
| Ingress protection | IP65 | | |
| Self-consumption | <5 W | | |
| Dimensions (W*H*D) | 364*276*114 mm | | |
| Weight | 2.1 kg (without CT, Meter) | | |
| AC connection | Quick connection terminal | | |
| Display | LCD | | |
| Smart meter | No | Yes | |
| CT connection | Plug terminal | | |
| CT specification | Optional (Secondary current is 5A) | | |
| **Features** | | | |
| Failsafe fuction | Yes | | |
| Remote upgrated | Yes | | |
| PF adjustment | No | Yes | |
| Control time | 5 s | | |

**CT specification**




| Specification | Dimensions (mm) | | | Hole size (mm) | | Ratio |
|---|---|---|---|---|---|---|
| | W | H | D | a | e | |
| CT-30×20-100 A | 90 | 114 | 40 | 22 | 32 | 100:5 A |
| CT-60×40-300 A | 114 | 140 | 36 | 42 | 62 | 300:5 A |
| CT-80×40-600 A | 122 | 162 | 40 | 42 | 82 | 600:5 A |
| CT-80×40-1000 A | 122 | 162 | 40 | 42 | 82 | 1000:5 A |
| CT-160×80-2000 A | 184 | 254 | 52 | 82 | 162 | 2000:5 A |
| CT-160×80-3000 A | 184 | 254 | 52 | 82 | 162 | 3000:5 A |

(1) The installed capacity of the inverter cannot exceed 5MW.

# SolisCloud: Intelligent Solar Energy System Monitoring



>> The SolisCloud intelligent monitoring system includes hardware and software products, and is a comprehensive energy management solution.

Rich hardware products, including data stick, data box, EPM and PLC, etc; transmit to SolisCloud platform through remote data channel to realize online energy management; real-time monitoring, visualized management and remote O&M of residential, C&I, utility PV plants.

## >> S3-GPRS/WiFi-ST

S3-GPRS-ST S3-WiFi-ST

## >> S4-WiFi-ST

S4-WiFi-ST

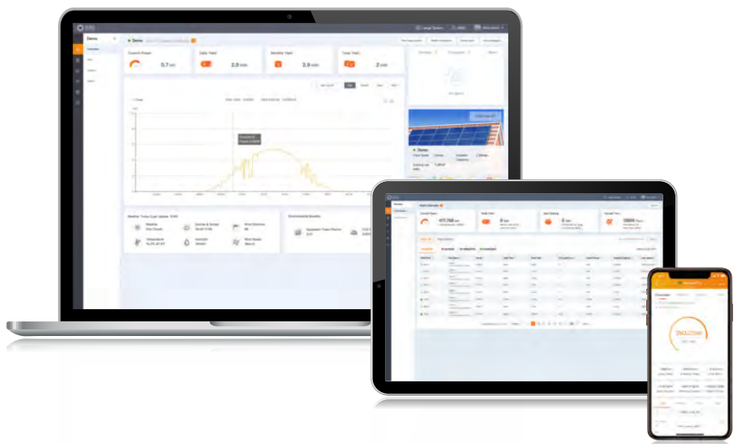
## >> Solis PLC CCO


PLC CCO


1500V PLC CCO

# SolisCloud

New generation Solis PV monitoring platform



>> SolisCloud is the new generation of intelligent PV system monitoring. This new monitoring platform will empower you like never before. You will have full control of your system whenever and wherever you are. You will benefit from upgraded accurate fault alarm messaging that is adjustable to notify you within hours that fit meet your needs.

For simple O&M the new platform features a full size display of all your installations with real-time data. You will have an intelligent alarm system that gives recommendations to quickly repair your field faults. In depth analysis tools allow you to understand the overall health of your system. IV curve scanning can be done easily and quickly on your whole system. A live power flow display gives visibility of both standard solar systems as well as storage systems. Most importantly you will have complete control of your systems and be able to monitor and adapt anything when and how you want.





## Advanced Cloud Platform

- Connecting with multiple types of devices seamlessly, Inverters, export power managers, weather stations etc.

## Efficient O & M

- Smart I-V curve scan, system health report, string-level fault finding

## Multiple Plant Management

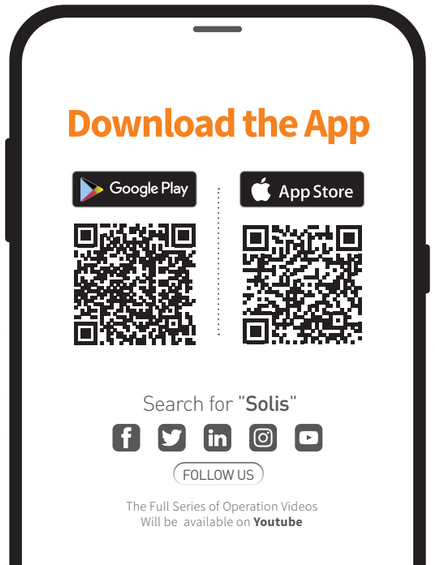
- Manage multiple types of systems across residential, commercial and utility scale plants. Enables multiple team management across different sectors

## Full Screen Display Mode

- Clear and concise display of system performance and benefits including carbon emissions saved and equivalent trees planted as well as showing system yield & earnings

## >> Accessories available:

S3-GPRS/WiFi-ST
Solis PLC CCO
S4-WiFi-ST



# S3-GPRS/WiFi-ST

Accessories - Solis Data Logging Stick

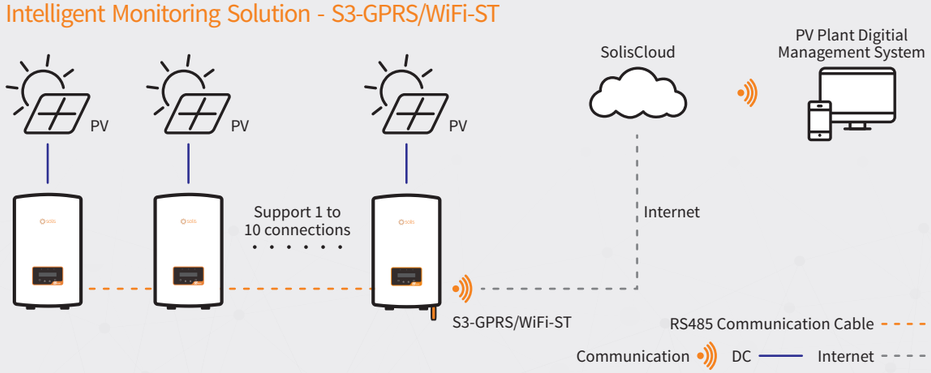
>> Use RS485 communication method to connect the inverter, and data connection through wireless WiFi network or GPRS, which can realize remote control and monitoring. The network transmits intuitive data, which is convenient for customers to monitor at any time and place.

S3-GPRS-ST S3-WiFi-ST

## Features:

- Fault alarm, real-time monitoring
- Status indicator, easy to display working status
- Plug and play, convenient and fast
- RESET button, one key to send data, convenient debugging

## Intelligent Monitoring Solution - S3-GPRS/WiFi-ST








## DATASHEET

## S3-GPRS/WiFi-ST

| Models | S3-GPRS-ST | S3-WiFi-ST |
|---|---|---|
| **Communication** | | |
| Supported device type | Solis inverter | |
| Number of connected inverters (1) | ≤10 | |
| Data collection intervals | 5 minutes | |
| Status indicator | LED × 3 | |
| Communication interface | 4 Pin | |
| Wireless communication | 850/900/1800/1900 MHz | 802.11b/g/n (2.4G—2.483G) |
| Configuration method | APP/WEB | |
| **Electrical** | | |
| Operating voltage | DC 5V(+/-5%) | |
| Operating power consumption | ≤5 W | |
| **Environment** | | |
| Operating temperature | -30 ~ +65°C | |
| Operating humidity | 5%-95%, relative humidity, no condensa | |
| Storage temperature | -40 ~ +70°C | |
| Storage humidity | < 40% | |
| Operating altitude | ≤4000 m | |
| Protection degree | IP65 | |
| **Mechanical** | | |
| Dimensions (L*W*H) | 133*45*41 mm | 128*50*34 mm |
| Installation method | Insert+Screw | |
| Weight | 84 g | 80 g |
| **Others** | | |
| Certification | CE | CE, FCC |

(1) Connect the inverters by RS485 cables.

# S4-WiFi-ST

Accessories - Solis Data Logging Stick

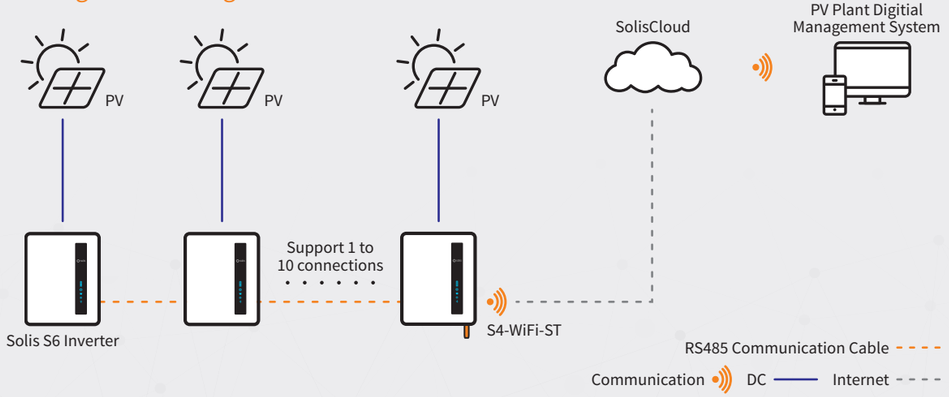
>> Use RS485 communication method to connect the inverters, up to 10 inverters can be connected at the same time. Data communication with the monitoring system through wireless WiFi network, which can realize remote control and monitoring. The network transmits intuitive data, which is convenient for customers to monitor anytime and anywhere.

S4-WiFi-ST

## Features:

- Fault alarm, real-time monitoring
- Status indicator, easy to display working status
- Plug and play, convenient and fast
- RESET button, one key to send data, convenient debugging

## Intelligent Monitoring Solution - S4-WiFi-ST








## DATASHEET — S4-WiFi-ST

| Models | S4-WiFi-ST |
|---|---|
| **Communication** | |
| Supported device type | Solis inverter |
| Number of connected inverters (1) | ≤10 |
| Data collection intervals | 5 minutes |
| Status indicator | LED × 3 |
| Communication interface | USB |
| Wireless communication | 802.11b/g/n (2.4G—2.483G) |
| Configuration method | APP/WEB |
| **Electrical** | |
| Operating voltage | DC 5V(+/-5%) |
| Operating power consumption | ≤5 W |
| **Environment** | |
| Operating temperature | -30 ~ +65°C |
| Operating humidity | 5%-95%, relative humidity, no condensa |
| Storage temperature | -40 ~ +70°C |
| Storage humidity | < 40% |
| Operating altitude | ≤4000 m |
| Protection degree | IP65 |
| **Mechanical** | |
| Dimensions (L*W*H) | 128*50*34 mm |
| Installation method | Insert+Screw |
| Weight | 84 g |
| **Others** | |
| Certification | CE, FCC |

(1) Connect the inverters by RS485 cables.

# Solis PLC CCO

Accessories - Solis Data Logging Stick

>> Solis PLC CCO (CCO: Central Controller) is applied in PV systems to achieve power line communication. Power Line Communication is transmission of data over the AC Wires of the system.


PLC CCO


1500V PLC CCO

## Features:

- No need to lay communication cables, reducing construction costs and maintenance costs
- Strong anti-interference ability
- Support multi-terminal networking
- Stable network connection, real-time data transmission



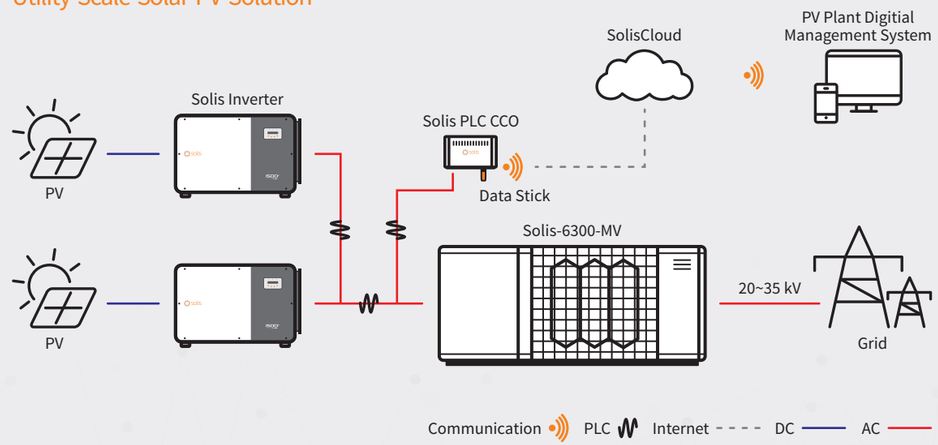


## DATASHEET

## Solis PLC CCO

| Models | PLC CCO | 1500V PLC CCO |
|---|---|---|
| **Electrical** | | |
| Power supply | 100 V ~ 240 V AC, 50 Hz / 60 Hz | |
| Power consumption | <5 W | |
| AC port line voltage range | 0 ~ 621 V AC | 0 ~ 920 V AC |
| **Environment** | | |
| Operating temperature range | -25 ~ +70°C | |
| Relative humidity (non-condensing) | 5% ~ 95% | |
| Max. operating altitude | 4000 m | |
| **Communication** | | |
| Max. number of connected inverters | 80 | 60 |
| Max. transmission rate | 9600 bit/s | |
| **Mechanical** | | |
| Dimensions (L*W*H) | 180*120*45 mm | 255*165*45 mm |
| Weight | 325 g | 485 g |
| Protection degree | TYPE 1 | |
| Installation method | Hanging installation or Din Rail installation | Hanging installation |

## Utility Scale Solar PV Solution



solis | Bankable. Reliable. Local.

# Contact Us


**HQ**
No.57 Jintong Road, Binhai Industrial Park, Xiangshan, Ningbo, Zhejiang, 315712, China
+86 574 6580 2188
sales@ginlong.com service@ginlong.com

**UK**
1 Church Street Bootle Liverpool, L20 1AF, UK
+44 113 328 0870
europesales@solisinverters.com euservice@solisinverters.com

**USA**
565 Metro Pl. S. Suite 3214, Dublin OH 43017 USA
+1 866 438 8408
ussales@solisinverters.com usservice@solisinverters.com

**India**
104, wing -A, 1st floor, Techno1 City Premises Plot no. X-4/1 Mahape Navi Mumbai- 400710, India
+91 224 9744 251 (sales) +91 224 9744 021 (service)
indiasales@ginlong.com inservice@solisinverters.com

**Spain (EU Service Center)**
Calle de Serrano, 240 - 1ª planta 28016 Madrid, Spain
+34 914 430 810 (sales) +34 919 495 286 (service)
europesales@solisinverters.com spservice@solisinverters.com

**Korea**
#A-1301, Smart Valley, 30, Songdomirae-ro, Yeonsu-gu, Incheon, Korea
+82 32 822 2188
sales@ginlong.com service@ginlong.com

**Myanmar**
No (10) Sagwar Pin Street, Kyimyindaing, Yangon City
+95 94 302 3335
sales@ginlong.com service@ginlong.com

**Sweden**
Åkersberga, Sweden
+46 725 344 987 (sales) +46 850 282 408 (service)
europesales@solisinverters.com euservice@solisinverters.com

**Romania**
Brasov, Romania
+40 373 808 894
europesales@solisinverters.com euservice@solisinverters.com

**Malaysia**
Jalan Kelang Lama,58200 Kuala Lumpur, Malaysia
+60 016 232 3512
sales@ginlong.com service@ginlong.com

**Poland**
+44 113 328 0870 (sales) +48 221 031 937 (service)
europesales@solisinverters.com plservice@solisinverters.com

**France**
+34 914 430 810 (sales) +33 971 078 736 (service)
europesales@solisinverters.com euservice@solisinverters.com

**Brazil**
Sala 618, R. Paulo César Fidélis, 39-Lot. Res. Vila Bella, Campinas-SP, Brasil, 13087-727
+55 19 996133803 (sales) +55 19 999618000 (service, WhatsApp)
sales@ginlong.com service@ginlong.com

**Netherlands**
Nokweg 3-B, 2451 AL Leimuiden, Nederland
+31 85 048 1300
benelux@solisinverters.com nlservice@solisinverters.com

**Australia**
No. 5 / 109 Tulip Street, Cheltenham, Vic. 3192 Australia
+61 3 8555 9516
sales@solisinverters.com.au service@solisinverters.com.au

**South Africa**
1487 Seilskip Road, Laser Park, Honeydew, Roodepoort, Gauteng, South Africa
+27 010 222 0181
sales@ginlong.com saservice@solisinverters.com

**Vietnam**
38/21 Đ. Lố Ô, Xã Bình Thắng, Dĩ An, Bình Dương, Việt Nam
+84 98 316 8126 (sales) +84 89 917 6618 (service)
sales@ginlong.com service@ginlong.com

**Philippines**
12-2C, Cambridge Village Condominium, BLK 19 Kabisig Road, San Andre's Floodway, Cainta Rizal, 1900
+63 0917 5380285
sales@ginlong.com service@ginlong.com

**Germany**
Bad Pyrmont, Germany
+49 151 25 222 228 (sales) +49 322 12 249 144 (service)
europesales@solisinverters.com deservice@solisinverters.com

**Turkey**
Istanbul, Turkey
+90 545 651 3541 (sales) +86 574 6580 2188 (service)
europesales@solisinverters.com euservice@solisinverters.com

**Italy**
Treviso, Italy
+39 028 295 7352
europesales@solisinverters.com euservice@solisinverters.com

**Thailand**
Vibhavadi Rangsit Road, Chatucha, Bangkok 10900, Thailand
+66 085 155 1936
sales@ginlong.com service@ginlong.com

**Mexico**
Monterrey, Mexico
+86 574 6580 2188 (sales) +52 811 500 2841 (service, WhatsApp only)
+52 33 1751 0488 (service, WhatsApp only)
sales@ginlong.com service.latam@solisinverters.com

Solis