



S6-GR1P(0.7-3.6)K-M

Made by Ginlong Technologies

01

Company Profile

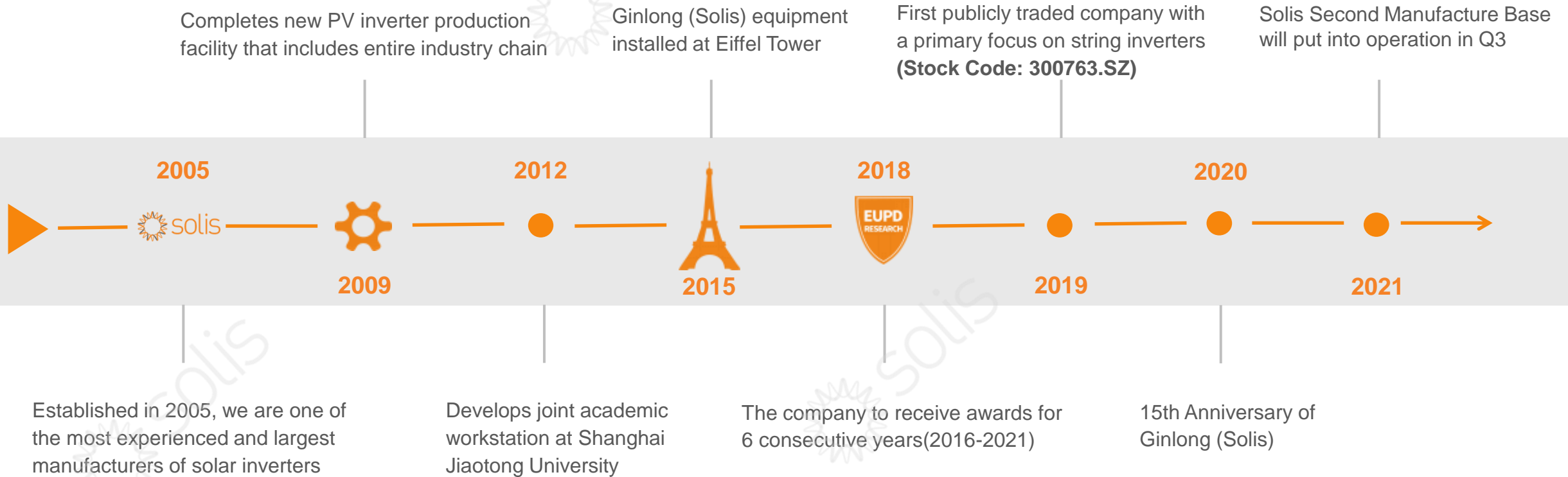
02

Product Introduction

03

Solis Reliability

▶▶▶ Focused solely on string inverters for over 15 years



\$454_{M+}

Total Assets

2000+

Global Employees

300+

Engineers


Established in 2005, Ginlong (Solis) Technologies (Stock Code: 300763.SZ) is one of the most experienced and largest manufacturers of PV string inverters. Presented under the Solis brand, the company's portfolio consists of innovative string inverter technology with first-class proven reliability in the field and 3rd-party validation.

▶▶▶ Our financial and manufacturing strength is widely recognized among leading financial institutions:



Bank of America
MOSAIC
LOANPAL
JPMORGAN CHASE & CO.

Listed by leading US banks and financial institutions including BoA, JP Morgan Chase, Mosaic, Sungage Financial, Dividend, Sunlight Financial, etc..



TOP 3

Endorsed by BloombergNEF as a top 3 bankable Asian inverter brand



83 %
2020
Revenue

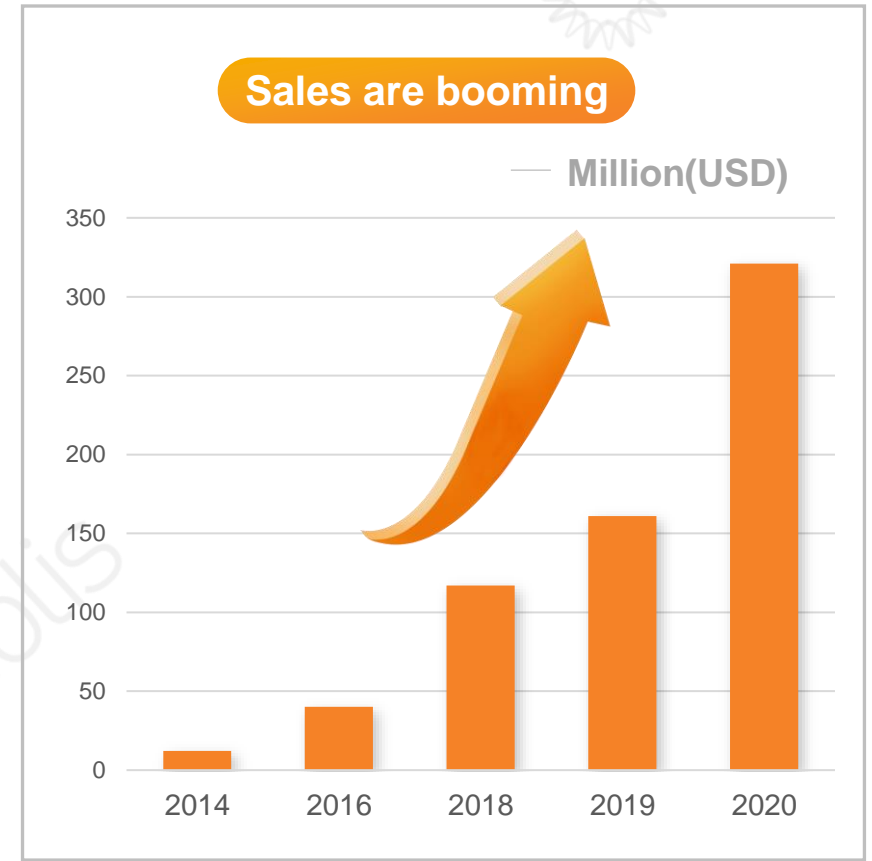
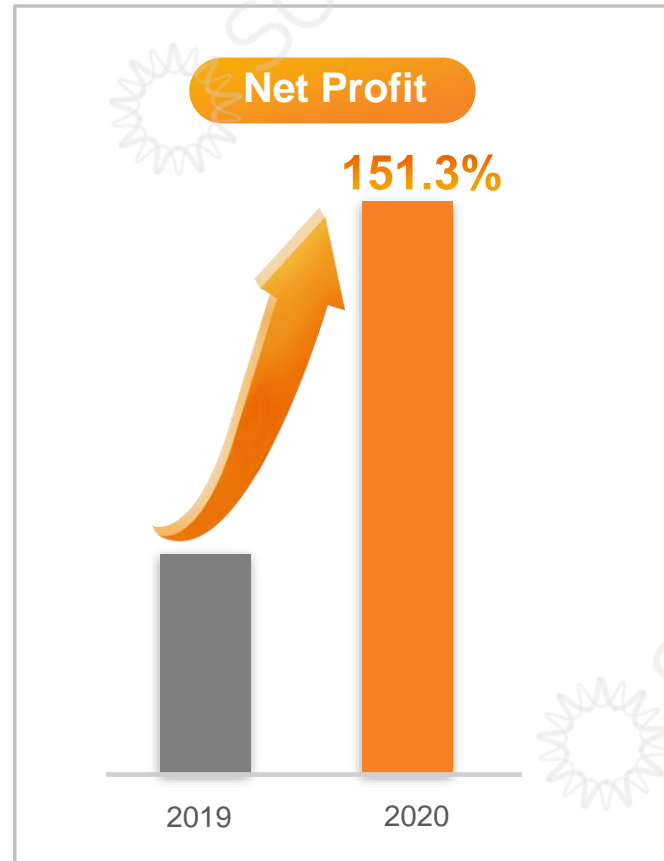
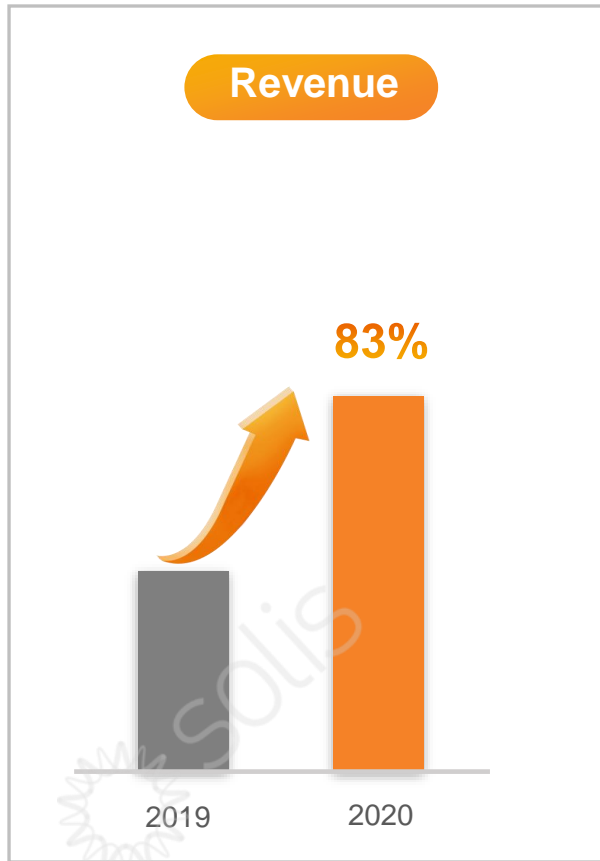
Strong financials with total assets at \$454 million (USD) with no bank debt



20 GW

Leaders in string inverter technology reach 20GW global shipments milestone

▶▶▶ 2020 reported operating income was US\$454 million, an increase of 82.98% year-on-year.



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Solis Reliability

Solis Mini Series Inverter-S5



700W / 1000W / 1500W / 2000W / 2500W / 3000W / 3600W

The single-phase series string inverters are leaders in affordable residential rooftops, adapting full digital control technology, lightweight, easy to install and commission, 5+5 or full 10yr warranty, wi-fi ready.

Features

- Compact and lightweight
- Over 97.3% Max. efficiency
- Wide voltage range and low startup voltage
- **Integrated AFCI (DC arc-fault circuit protection)**
- **Maximum string input current 14A**
- Export Power Management Integrated (EPM)
- Friendly and adaptable grid connection



360° View

EPM

Export power manager



WiFi
Real time monitoring



Weight
7.4 kg



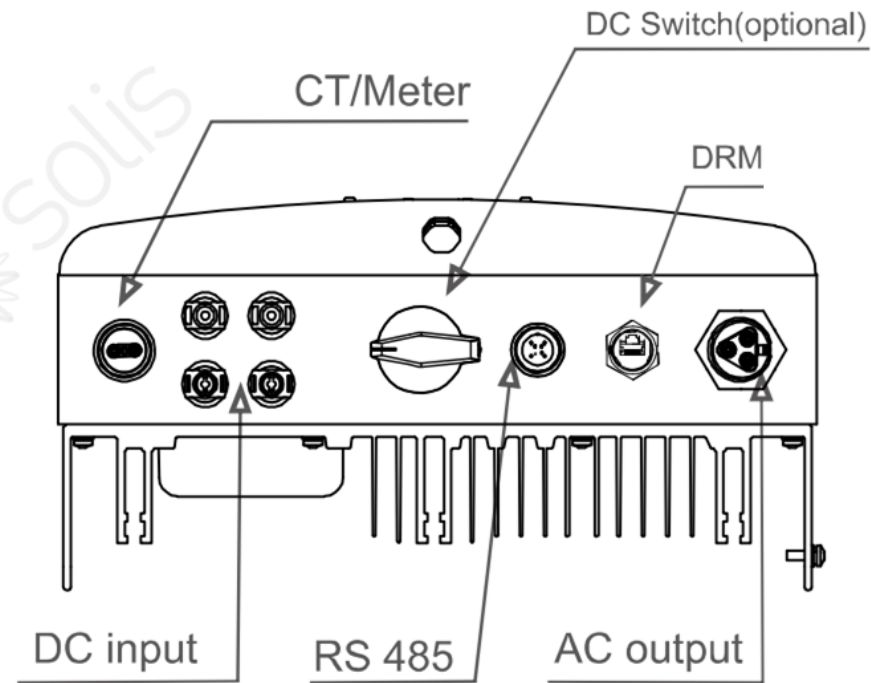
App Store
IOS/Android



IP65
Ingress protection

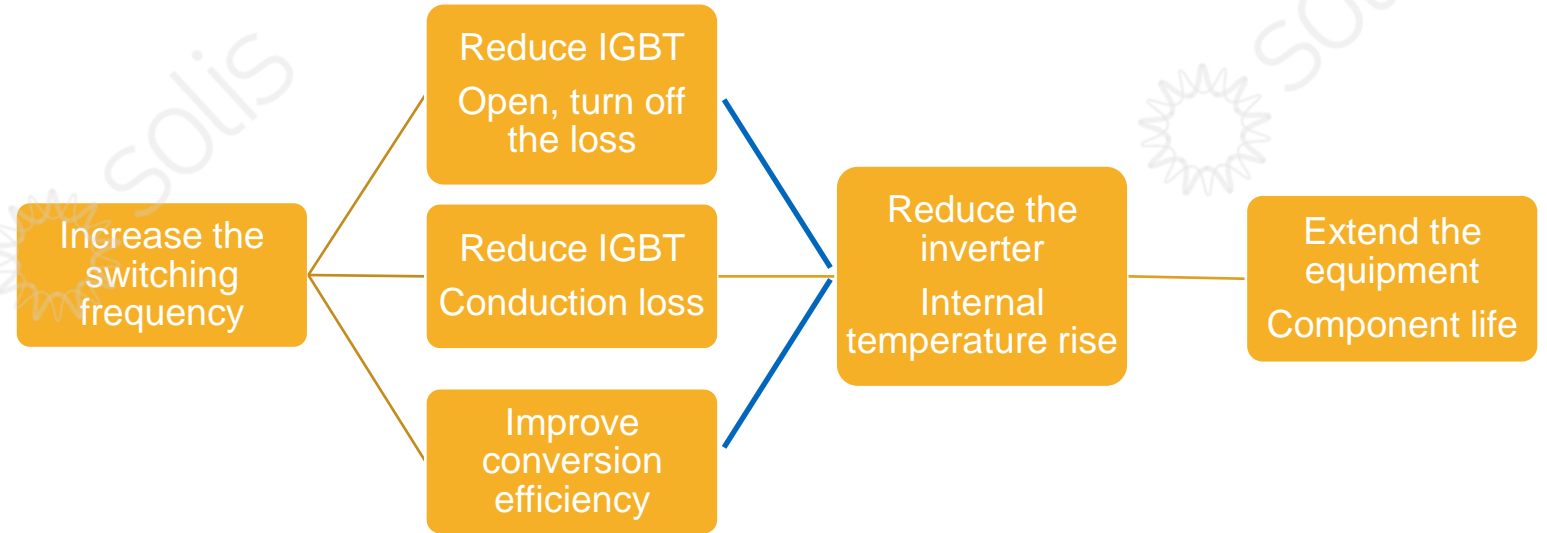


- Programmable, easy to operate LCD Screen
- Switching frequency over 30kHz, good performance in efficiency improvement
- DNV-GL comprehensive evaluation, reliable performance
- Suitable for single phase L-N and Split phase L-L voltage 220/230V
- Maximum string input current 14A
- Easy to install, lightweight and small footprint
- Designed for residential systems and optimum replacement for older systems
- Supports internal export power control function (Zero feed-in)
- Wifi connection ready as standard for easy monitoring
- Firmware can also be easily upgraded to meet latest grid requirements either via
- External upgrade stick or via remote monitoring

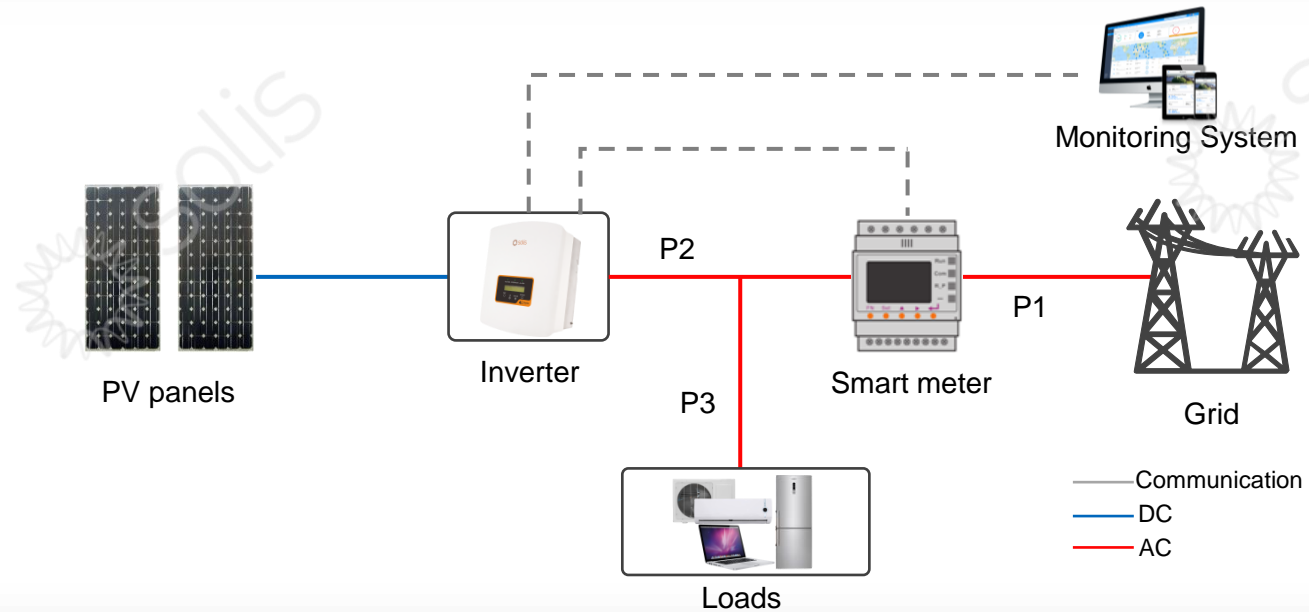


- 4-pin RS485 port for monitoring or upgrade
- CT connection port for export power management control function
- DRM port (Demand response management)

With 30khz Switching Frequency

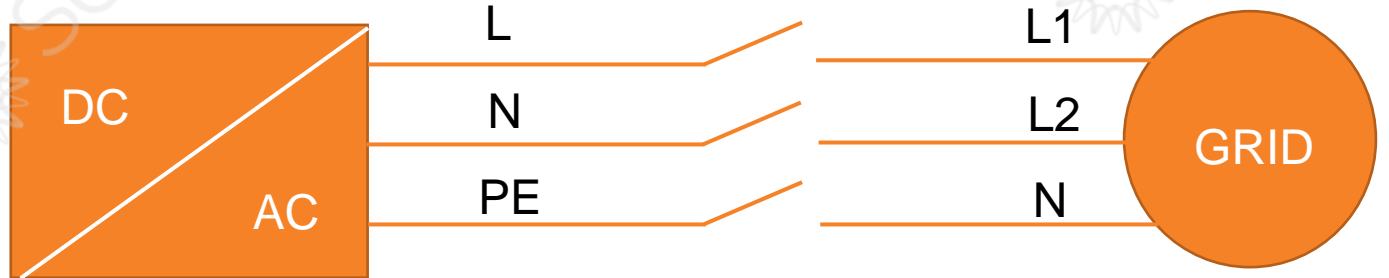


Ambient temperature for each lower 10 °C, component life can be doubled.



EPM Export Power Management options control function

Use a **CT** or smart meter to measure the power flow at the system output. Dynamically control the inverter output power to ensure a certain power is exported to the grid (grid for zero feed-in).



Solis inverter adapts to the split-phase grid with 208/220/240V (L-L) voltage

Datasheet

Model Name	S6-GR1P0.7K-M	S6-GR1P1K-M	S6-GR1P1.5K-M	S6-GR1P2K-M	S6-GR1P2.5K-M	S6-GR1P3K-M	S6-GR1P3.6K-M
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Input DC

Recommended max. PV power	1.1 kW	1.5 kW	2.3 kW	3 kW	3.8 kW	4.5 kW	5.4 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					19 A	
Max. short circuit current	22 A					30 A	
MPPT number/Max. input strings number	1/1					1/2	

Output AC

Rated output power	0.7 kW	1 kW	1.5 kW	2 kW	2.5 kW	3 kW	3.6 kW
Max. apparent output power	0.8 kVA	1.1 kVA	1.7 kVA	2.2 kVA	2.8 kVA	3.3 kVA	3.6 kVA
Max. output power	0.8 kW	1.1 kW	1.7 kW	2.2 kW	2.8 kW	3.3 kW	3.6 kW
Rated grid voltage	1/N/PE, 220 V / 230 V						
Rated grid frequency	50 Hz / 60 Hz						
Rated grid output current	3.2 A / 3.0 A	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	16 A
Max. output current	4.4 A	5.2 A	8.1 A	10.5 A	13.3 A	15.7 A	16 A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)						
THDi	<3%						

Efficiency

Max. efficiency	96.6%	96.6%	97.1%	97.1%	97.1%	97.3%	97.3%
EU efficiency	95.3%	95.4%	96.6%	96.7%	96.7%	96.8%	96.8%

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*
Integrated DC switch	Optional

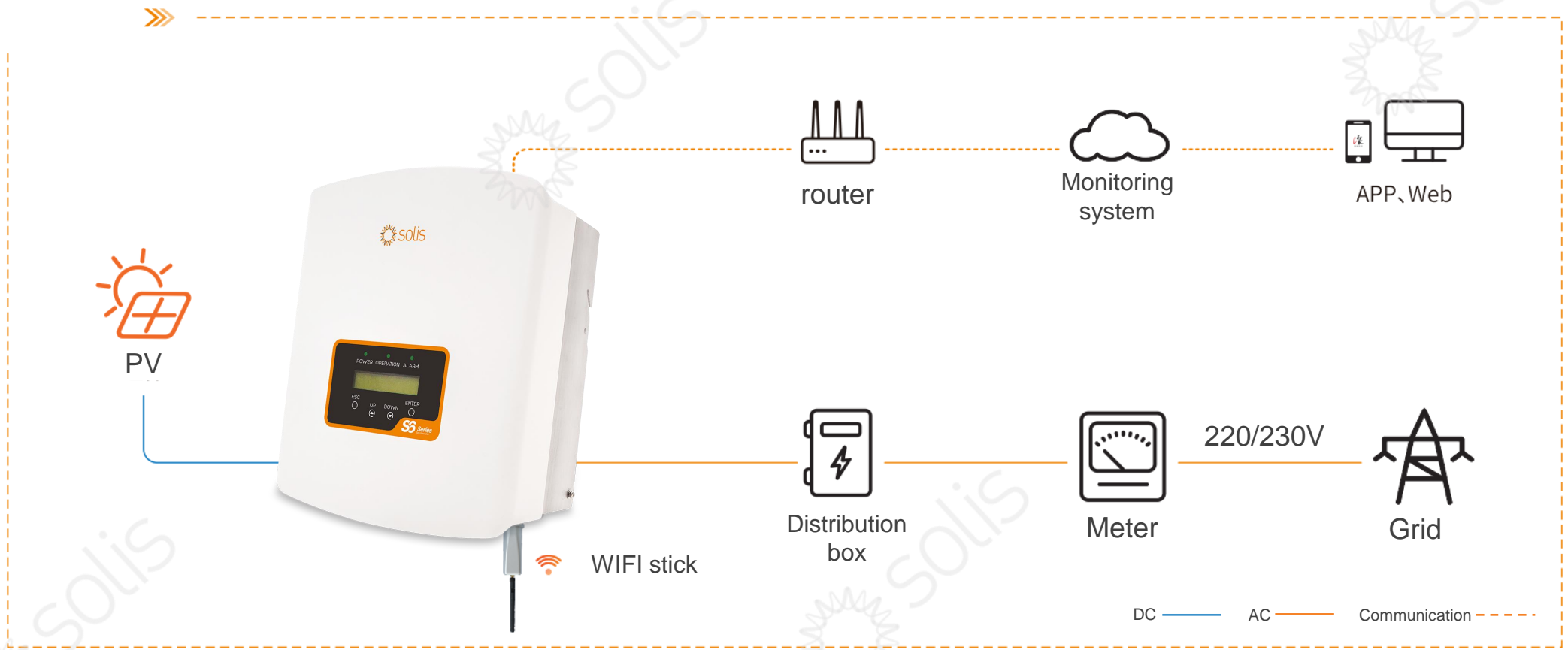
General Data

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	IP65
Cooling concept	Natural convection
Max. operation altitude	2000 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, TOR, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4

Features

DC connection	MC4 connector
AC connection	Quick connection plug
Display	LCD
Communication	RS485, Optional: Wi-Fi, GPRS

Solis Residential PV Solution



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Solis Reliability

Global certification



< .2%

Less than 0.2% failure rates reported in the independent DNV-GL reliability audit



DNV-GL

Top-of-range Lifespan Projection in String Inverter Category as Validated by DNV-GL



The company to receive awards for 6 consecutive years

TÜVRheinland®
Precisely Right.

2019 Awarded PV Inverter for Commercial Use (20kW)

2020 Awarded PV Inverter for Commercial Use (50kW)



Surface Mounted Technology Workshop



Feeder



Printed Circuit Board Coating Room



Assembly Line



Automated Optical Inspection



Surface Mounted Technology Machine



Solder Paste Inspection



Spraying Machine



Automated Test Equipment



nichicon

NCC株式会社



Germany: Infineon IGBT

USA: Zettler LCD

Japan: Panasonic Connectors

- 100% of inverters produced are tested before shipment
- All inverters today and in the future will have a display
- We only use genuine MC4 connectors (Staubli)



DNV-GL

The inverter life models presented are positively impacted by the long and impressive track record of PV inverters designed and manufactured by Ginlong. The useful life projections are at or near the top of the string inverter life projections.

— DNV-GL



BloombergNEF

Most Bankable Asian Inverter

— BloombergNEF



I Sustainable Management

The company to receive awards for 6 consecutive years

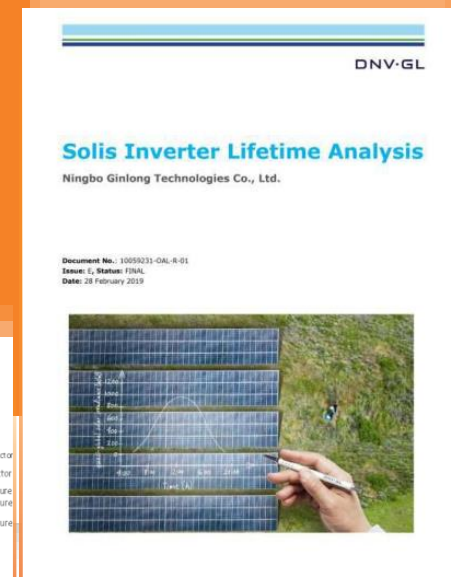
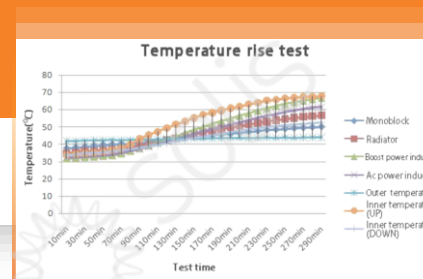
— EUPD

25+ years

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Source DNV-GL



THANKS

Ginlong Technologies Co.,Ltd

NO.57 Jintong Road, Xiangshan, Ningbo, Zhejiang,
China

Ginlong Technologies Co.,Ltd
www.solisinverters.com

