

# CERTIFICATE of Conformity



Registration No.: AK 50593238 0001

Report No.: CN23D8FY 001

**Holder:** Ginlong technologies Co., Ltd.  
No.57 Jintong Road, Binhai,  
(seafront), Industrial Park,  
Xiangshan Ningbo  
315712 Zhejiang  
P.R. China

**Product:** PV-Inverter  
(Grid-Connected PV Inverter)

**Identification:**

Type Designation	: Solis-80K-5G-PRO Solis-100K-5G-PRO Solis-110K-5G-PRO
Serial Number	: Engineering Samples
Firmware version	: A2
Remark(s)	: Refer to report CN23D8FY 001 for details.

**Tested acc. to:** UNE 217001:2020  
RD 244:2019  
ITC-BT-40

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Certification Body

Date 12.07.2023



A handwritten signature in blue ink, appearing to read 'A. Chen'.

A. Chen

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

Certificado no.: AK 50593238 0001

# Certificado De Conformidad

**Fabricante:** Ginlong technologies Co., Ltd.  
*Manufacturer:* No.57 Jintong Road, Binhai, (seafront) industrial Park, Xiangshan, Ningbo, zhejiang, 315712, P.R. China

**Tipo de producto:** Grid-Connected PV inverter  
*Type of product:*

**Modelo:** Solis-80K-5G-PRO, Solis-100K-5G-PRO, Solis-110K-5G-PRO  
*Model:*

**Versión de firmware:** A2  
*Firmware version:*

**Estándar:** **UNE 217001 :2020**  
*Standard:* Ensayos para sistemas que eviten el vertido de energía a la red de distribución  
**RD 244 :2019/ANEXO I**  
Real Decreto 244/2019, de 5 de abril, por el que se regulan las condiciones administrativas, técnicas y económicas del autoconsumo de energía eléctrica.  
**ITC-BT-40**  
Sistemas para evitar el vertido de energía a la red.Reglamento electrotécnico para baja tensión e ITC. Edición actualizada a 30 de octubre de 2019

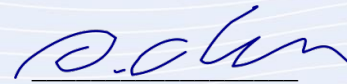
**Reporte no.:** CN23D8FY 001  
*Report No.:*

**Fecha de emisión:** 12.07.2023  
*Date of issue:*

El certificado de conformidad hace referencia al producto mencionado anteriormente. Esto es para certificar que la muestra se encuentra en conformidad con el requisito de evaluación mencionado anteriormente. Este certificado no implica una evaluación de la producción del producto y no permite el uso de una marca de conformidad TÜV Rheinland.

*The verification of conformity refers to the above mentioned product. This is to verify that the specimen is in conformity with the assessment requirement mentioned above. This verification does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.*



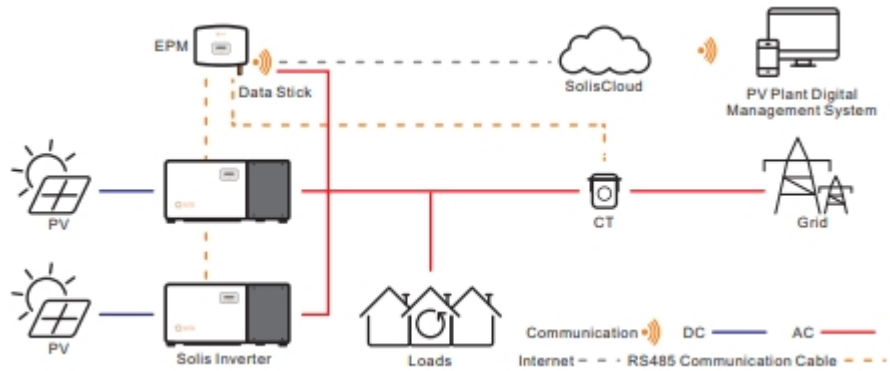


**A. Chen**  
Certificador

**Apéndice**  
*Appendix*

<b>Modelo</b> Model	Solis-80K-5G-PRO	Solis-100K-5G-PRO	Solis-110K-5G-PRO
<b>Potencia nominal CA</b> Nominal AC Power	80000 W	100000 W	110000 W
<b>Potencia máx. CA</b> Max. AC Power	88000 W	110000 W	121000 W
<b>Máx. Potencia Aparente</b> Max. Apparent Power	88000 W	110000 W	121000 W
<b>Tensión nominal CA</b> Nominal AC voltage	220V/230V	220V/230V	220V/230V
<b>Corriente máxima CA</b> Maximal AC current	133.7 A	167.1 A	183.8 A
<b>Frecuencia nominal</b> Nominal frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
<b>Rango de tensión MPPT</b> MPPT voltage range	160-1000 V	160-1000 V	160-1000 V
<b>Tensión CC máxima</b> Max. DC voltage	1100 V	1100 V	1100 V
<b>Corriente DC máxima</b> Max. DC current	3*36+3*32	4*36+4*32	4*36+4*32
<b>Elemento de control</b> Control device	Controlador en inversor	Controlador en inversor	Controlador en inversor
<b>Tipo de dispositivo de control</b> Type of control device	Integrado	Integrado	Integrado

**Apéndice**  
*Appendix*

<b>Información general del transductor de corriente externo / medidor de potencia *)</b> General information of external current transductor/ power meter			
<b>Modelo</b> Model	Solis-EPM3-5G	Solis-EPM3-5G-PRO	Solis-EPM3-5G-PLUS
<b>Aplicación</b> Application	Trifásico		
<b>Tensión nominal</b> Nominal voltage	3/N/PE, 230 V / 400 V		
<b>Corriente máxima</b> Max. current	0.5 A		
<b>Precisión del control de potencia</b> Power control accuracy	1%		
<b>Tipo de comunicación</b> Type of communication	RS485 / Modbus RTU		
<b>Esquema básico del sistema *)</b> Basic system diagram			
 <p>The diagram illustrates the system architecture. On the left, two PV panels are connected to a Solis Inverter via DC lines (blue). The inverter is connected to a busbar, which then feeds into a house icon labeled 'Loads'. A CT (Current Transformer) is connected to the AC line (red) between the inverter and the loads. The EPM (External Current Transducer) is connected to the DC line between the inverter and the loads. The EPM is also connected to a Data Stick, which is connected to the SolisCloud. The SolisCloud is connected to the PV Plant Digital Management System. The CT is connected to the Grid. The legend indicates: DC (blue line), AC (red line), and RS485 Communication Cable (dashed orange line). Internet connection is shown as a dashed line.</p>			

\*) Para cumplir los requisitos de RD 244/2019, ANEXO I y UNE 217001 IN: 2020, se instalará el dispositivo adicional.  
*To fulfill the requirements of RD 244/2019, ANEXO I and UNE 217001 IN: 2020, the additional device shall be installed.*