

CERTIFICATE

of Conformity

Registration No.: AK 50603194 0001
Report No.: CN23II58 005
Holder: Autarco Group B.V.
Torenallee 20
5617 BC Eindhoven
Netherlands
Product: PV-Inverter
(Grid-connected PV Inverter)

Type designation listed on the next page

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 on the next page. 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.

Date: 2023-10-13

Certification Body



Bruce Li



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICATE

of Conformity

Registration No.: AK 50603194 0001

Product: PV-Inverter
(Grid-connected PV Inverter)

Tested according to: UNE 217001:2020
RD 244:2019
ITC-BT-40

Identification: Type Designation
Type Designation : S2.0Xxx(S) (xx=80000,100000,110000)
S2.0Xyy-MII (yy=80000,100000,110000)
Serial Number : A003529127-001
Firmware Version : A2
Remark : Refer to test report CN23II58 005
for details.



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

Certificado no.: AK 50603194 0001

Certificado De Conformidad

Fabricante: Autarco Group B.V.
Manufacturer: Torenallee 20, 5617 BC Eindhoven
Netherlands

Tipo de producto: Grid-connected PV inverter
Type of product:

Modelo: S2.OXxx(S) (xx=80000,100000,110000)
S2.OXyy-MII (yy=80000,100000,110000)
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.: CN23II58 005
Report No.:

Fecha de emisión: 2023-10-13
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.



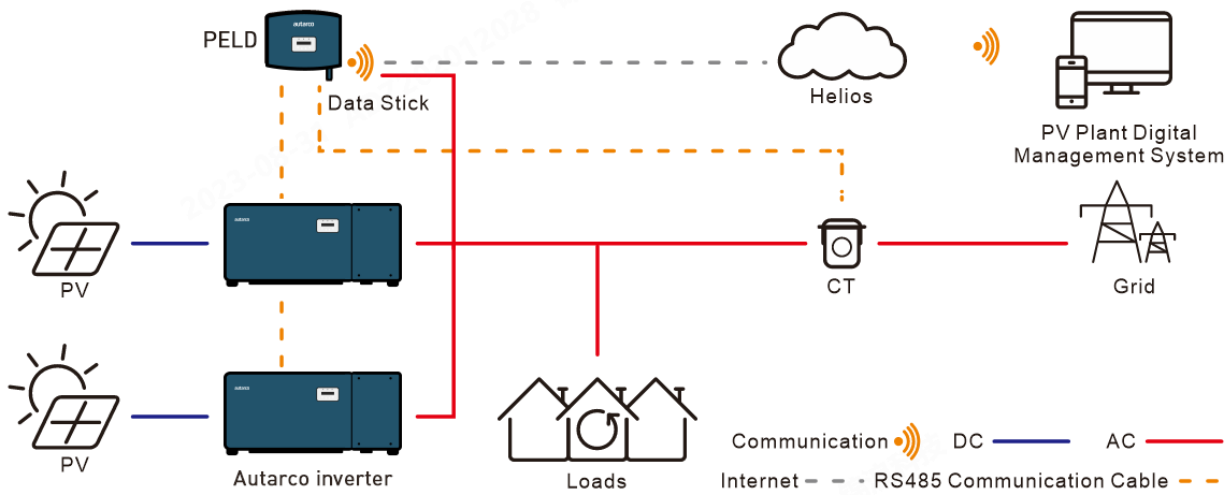
Bruce Li
Certificador

Apéndice
Appendix

Modelo Model	S2.OX80000-MII	S2.OX100000-MII	S2.OX110000-MII
Potencia nominal CA Nominal AC Power	80000 W	100000 W	110000 W
Tensión nominal CA Nominal AC voltage	220V/230V	220V/230V	220V/230V
Corriente máxima CA Maximal AC current	133.7 A	167.1 A	183.8 A
Frecuencia nominal Nominal frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Rango de tensión MPPT MPPT voltage range	180-1000 V	180-1000 V	180-1000 V
Tensión CC máxima Max. DC voltage	1100 V	1100 V	1100 V
Corriente DC máxima Max. DC current	9*32 A	10*32 A	10*32 A
Elemento de control Control device	Controlador en inversor	Controlador en inversor	Controlador en inversor
Tipo de dispositivo de control Type of control device	Integrado	Integrado	Integrado

Modelo Model	S2.OX80000(S)	S2.OX100000(S)	S2.OX110000(S)
Potencia nominal CA Nominal AC Power	80000 W	100000 W	110000 W
Tensión nominal CA Nominal AC voltage	220V/230V	220V/230V	220V/230V
Corriente máxima CA Maximal AC current	133.7 A	167.1 A	183.8 A
Frecuencia nominal Nominal frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Rango de tensión MPPT MPPT voltage range	180-1000 V	180-1000 V	180-1000 V
Tensión CC máxima Max. DC voltage	1100 V	1100 V	1100 V
Corriente DC máxima Max. DC current	9*26 A	10*26 A	10*26 A
Elemento de control Control device	Controlador en inversor	Controlador en inversor	Controlador en inversor
Tipo de dispositivo de control Type of control device	Integrado	Integrado	Integrado

Apéndice
Appendix

Información general del transductor de corriente externo / medidor de potencia ^{*)} General information of external current transductor/ power meter			
Modelo Model	S2.3P-PELD10-MII	S2.3P-PELD-MIII	S2.3P-PELD-MII
Aplicación Application	Trifásico		
Tensión nominal Nominal voltage	3/N/PE, 230 V / 400 V		
Corriente máxima Max. current	0.5 A		
Precisión del control de potencia Power control accuracy	1%		
Tipo de comunicación Type of communication	RS485 / Modbus RTU		
Esquema básico del sistema ^{*)} Basic system diagram			
 <p>The diagram illustrates a photovoltaic system setup. Two PV panels are connected to two Autarco inverters via DC lines (blue). The inverters are connected to a PELD (external current transducer) device. The PELD device is connected to a Data Stick, which provides internet access (dotted line) to the Helios cloud. The PELD device is also connected to a CT (Current Transformer) sensor, which is connected to the Grid and a PV Plant Digital Management System. The system also includes Loads connected to the AC line (red). A legend at the bottom right defines the connection types: Communication (dashed line), Internet (dotted line), RS485 Communication Cable (dashed line), DC (blue line), and AC (red 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.