ENAC
CERTIFICACIÓN
Nº 87/C-PR244

SGS

**Certificado de producto número /** Certificate number **No: 2620/0021-CER**

**License holder** / *Titular del certificado*
**Sungrow Power Supply Co., LTD.**
No. 1699, Xiyou Road, New & High Technology Industrial Development Zone, Hefei City, Anhui Province, P.R. China.

**Trademark** / *Marca*
阳 光 电 源
SUNGROW

**Factory** / *Fabrica*
**Sungrow Power Supply Co., LTD.**
No. 1699, Xiyou Road, New & High Technology Industrial Development Zone, Hefei City, Anhui Province, P.R. China.

**Tipo de aparato /** Type of product
**Inversor trifásico /** Three phase inverter

| **Models /** *Modelos* | | **SG50CX** | **SG40CX** | **SG33CX** |
|---|---|---|---|---|
| **Technical Data /** *Datos Técnicos* | **Nominal Power /** *Potencia Nominal* | **50 kW** | **40 kW** | **33 kW** |
| | **Nominal Voltage /** *Tensión Nominal* | **400 / 230 V** | **400 / 230 V** | **400 / 230 V** |
| | **Versión Firmware /** Firmware version | | **LCD_AGATE-S_V11_V01_A**<br>**MDSP_AGATE-S_V11_V01_A** | |
| | **Número de fases /** Number of phases | | **Trifásico /** *Three phase* | |
| | **Transformador de aislamiento /** Isolation transformer | | **NO** | |
| | **Elemento de control /** Control device | | **Externo (ver página / See page 2)** | |

**Normativa /** Standard **UNE 217001 IN: 2015**. Requisitos y ensayos para sistemas que eviten el vertido de energía a la red de distribución.

El equipo antes mencionado está certificado conforme con el procedimiento interno de SGS PE.T-ECPE-51 de acuerdo con los requisitos de la norma UNE-EN ISO/IEC 17065. / *Aforementioned equipment is certified according to SGS internal procedure PE.T-ECPE-51 according to requirements established on standard UNE-EN ISO/IEC 17065.*
El certificado contiene la siguiente información / *This certificate contains the following information*:

- Datos técnicos de los generadores de potencia / *Technical information of power generators.*
- Datos técnicos del analizador de potencia y modelos asimilables / *Technical information on power analyzer and models.*
- Esquema de la instalación de limitación de potencia con los elementos que la componen y tipo de comunicaciones empleado. / *Scheme covering the elements and the installation to limit power injection and the used type of communication.*
- Número máximo de unidades generadoras a conectar. / *Maximum number of generators to be connected in parallel.*

Este certificado es válido hasta: 10 de febrero de 2023. / *This certificate is valid until the 10th of February 2023.*
Este certificado se emite por vez primera: 10 de febrero de 2020. / *This certificate is first issued on 10th of February 2020.*

**Madrid, 10 de febrero de 2020**

Daniel Arranz Muñiz
Certification Manager

**SGS Tecnos, S.A.** C/ Trespaderne, 29 - 28042 Madrid
This certificate is issued by SGS under its General Conditions for Product Certification at www.sgs.com/terms_and_conditions.
The status and validity of the certificate can be checked scanning the QR code above included or through the following web link database:
https://www.sgs.com/en/certified-clients-and-products/electrical-products
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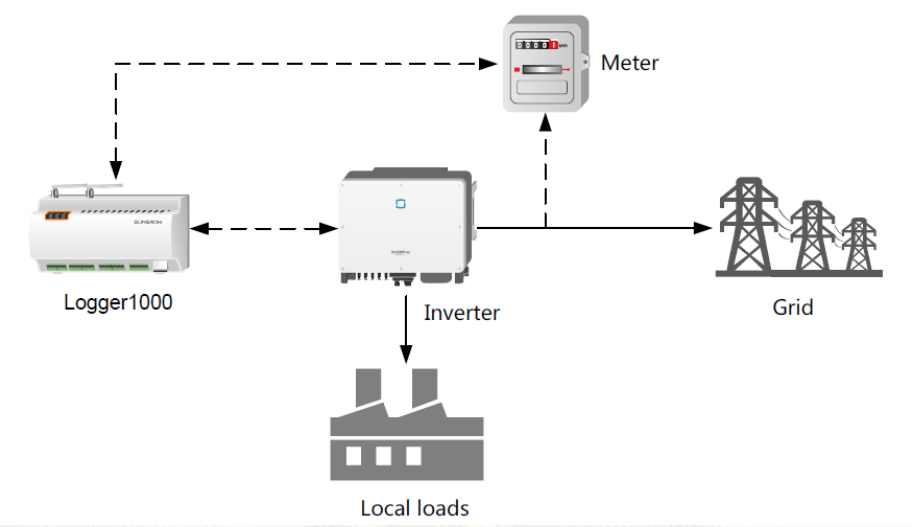
**Analizadores de potencia / Energy meter:**

| **Brand** | **Weidmüller** | **Janitza** |
|---|---|---|
| Modelo / *Model*: | Energy Meter 610 | UMG604-E |
| Fabricante / *Manufacturer*: | Weidmüller Interface GmbH & Co. KG | Janitza electronics GmbH |
| Carácterísticas / *Characteristics* | Aux: 20-250V, 45-65Hz, 4VA, 20-300Vm, 300V, CAT III, Power accuracy: 0.5% IP20 | Aux:95-240V, 45-65Hz, 9VA,135-340Vm, 300V, CAT II, Power accuracy: 0.5% IP20 |

**Elementos de control / Control devices:**

| **Brand** | **Sungrow** |
|---|---|
| Modelo / *Model*: | Logger1000 |
| Fabricante / *Manufacturer*: | SUNGROW POWER SUPPLY CO., LTD |
| Frimware | M_logger1000_V01_V01_A |
| Carácterísticas / *Characteristics* | DC input: 24Vdc, 1.2A<br>DC output: 24Vdc, 0.5A<br>IP 20, -30℃ to 60℃ |

**Esquema de la instalación / Installation scheme**




**El número máximo de generadores a conectar en paralelo es / *Maximum number of inverters to be connected in parallel is*:**

- **10, with energy meter 1(Weidmüller / Energy Meter 610)**
- **2, wiht energy meter 2 (Janitza / UMG604-E)**