

Unit Certificate



FGW TG8 EZE

www.tuv.com
ID 190000000

No.: 968/GI 1464.01/22

Grid Integration of Distributed Energy Resources

Certificate Holder Sungrow Power Supply Co., Ltd. **Manufacturer** see certificate holder
No.1699 Xiyou Rd.,New & High
Technology Industrial Development
Zone,
Hefei 230088 Anhui P.R.
China

Subject Grid-Connected PV Inverter
SG75CX-P2, SG110CX-P2, SG125CX-P2

Codes and Standards FGW TG 3:2018 Revision 25 VDE-AR-N 4110:2018
FGW TG 4:2019 Revision 9 VDE-AR-N 4120:2018
FGW TG 8:2019 Revision 9

Scope and result The power generating units mentioned above meet the requirements of VDE-AR-N 4110:2018-11 and VDE-AR-N 4120:2018-11. The conformity is declared by following documents:
Report-No.: 968/GI 1464.01/22, dated 2021-06-24
Validation Report-No.:968/GI 1464.00/22, dated 2021-06-21
Test Report No. CN223AA4 001, dated 2022-03-14

The manufacturer has provided proof of certification of the quality management system of his production facility in accordance with ISO 9001 or is subject to production monitoring.

Specific provisions The deviations and conditions for conformity according to the evaluation report must be observed. The corresponding conditions and deviations are listed on page 2 of the certificate.

Valid until 2027-06-23

The issue of this certificate is based upon an evaluation in accordance with the Certification Program CERT GI3 V1.0:2017 in its actual version, whose results are documented in Report No. 968/GI 1464.01/22 dated 2022-06-24. This certificate is specifically valid for the above mentioned system only. It becomes invalid, if any unapproved changes are implemented without prior assessment/approval by the certification body. Authenticity and validity of this certificate can be verified through the above indicated QR-code or at <http://www.fs-products.com>.

TÜV Rheinland Industrie Service GmbH
Bereich Automation
Funktionale Sicherheit
Am Grauen Stein, 51105 Köln

Köln, 2022-06-24

Certification Body Safety & Security for Automation & Grid

Dipl.-Ing. Marco Klose

www.fs-products.com
www.tuv.com

TÜVRheinland[®]
Precisely Right.

Unit Certificate

Nr.: 968/ GI 1464.01/22

Grid Integration of Distributed Energy Resources

Technical data of the PGU:

Typ:	SG75CX-P2	SG110CX-P2	SG125CX-P2
Rated active power:	75 kW	110 kW	125 kW
Max. apparent power:	75 kVA	110 kVA	125 kVA
Rated voltage:	400 V _{AC}	400 V _{AC}	400 V _{AC}
Nominal frequency:	50 Hz	50 Hz	50 Hz
Minimum required short-circuit power (only for type 1 PGU):	N/A	N/A	N/A
Software-Version:	LCD_GARNET-S_V11_V01_A;MDSP_GARNET-S_V11_V01_A		

Validated Simulation Model:

Reference name: VDE_SG125CX-P2 _PF2020.pfd

MD5 Checksum: be36de13138e7312353aa1f39b550428

Simulation platform: DlgSILENT PowerFactory 2020

The following deviations and restrictions apply:

None

The following:

- The certified product does not provide a test terminal. A connecting terminal plate has to be installed separately, if necessary.
- As the unit does not contain a display, this has to be considered on project level. With regard to the requirements of the corresponding grid provider, an appropriate device to check the protection settings has to be provided on demand or should be stored on site.

Unit Certificate

Nr.: 968/ GI 1464.01/22

Grid Integration of Distributed Energy Resources

Schematic overview of the PGU:

