



Certificate of Compliance

Certificate: 80127114

Master Contract: 300612

Project: 80127116

Date Issued: 2022-08-16

Issued To: GoodWe Technologies Co., Ltd.
No.90, Zijin Road, New District
Suzhou, Jiangsu, 215011
China

Attention: Jing Xie

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Issued by: Henry Huan
Henry Huan



PRODUCTS

CLASS - C531109 - POWER SUPPLIES Distributed Generation Power Systems Equipment
CLASS - C531189 - POWER SUPPLIES - Distributed Generation Power Systems Equipment - Certified to U.S. Standards

Transformerless Grid Support Utility Interactive PV Inverter, Models GW50K-SMT-US and GW60K-SMT-US.
Wall mounted, permanently connected.

Note:

1. For details related to rating, size, configuration, etc., reference should be made to the CSA Certification Record, Certificate of Compliance Annex A, or the Descriptive Report.



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2. Models GW50K-SMT-US and GW60K-SMT-US are verified with PVRSS function according to NEC-2020 Article 690.12 and CEC-2018 Sec 64-218 with Inverter integrated transmitter and external mounted RSD as following:

| Model | Attenuators | Initiation Device | Inverter | System Ratings |
|---------------------|---|--|--|--|
| Goodwe PVRSS System | Altenergy Power System Inc. RSD-S-PLC-A RSD-S-PLC-B RSD-D-15-1000 RSD-D-20-1000 RSD-D-25-1000 RSD-D-15-1500 RSD-D-20-1500 RSD-D-25-1500 | Altenergy Power System Inc. Single Core/Dual Core Transmitter-PLC (no power supply) | GoodWe Technologies Co., Ltd. GW50K-SMT-US, GW60K-SMT-US | 1000 Vdc maximum system voltage. Rapid shutdown time limit 30s with inverter. Initiated by the loss of inverter power of AC Grid. |
| | Tigo Energy Inc. TS4-A-F TS4-A-2F | Tigo Energy Inc. RSS Transmitter DIN Rail, Single RSS Core/Dual RSS Core | | |

APPLICABLE REQUIREMENTS

- CSA-C22.2 No.107.1-16 - Power Conversion Equipment
- CSA-C22.2 No.292-18 - DC arc fault protection for photovoltaic applications
- CSA-C22.2 No.330-17 - Photovoltaic Rapid shutdown systems
- *UL Std No. 1741-Third Edition - Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Sources (Third Edition, Dated September 28, 2021)
- **UL1741 CRD - Non-Isolated EPS Interactive PV Inverters Rated Less Than 30Kva (Dated April 26, 2010)
- **UL 1699B - Outline of Investigation for Photovoltaic (PV) DC Arc-Fault Circuit Protection (Issue Number 2, January 14, 2013)
- **UL 1699B - Photovoltaic (PV) DC Arc-Fault Circuit Protection (First Edition, Dated August 22, 2018)

*Note: Conformity to UL 1741(Third Edition, Dated September 28, 2021) includes compliance with applicable requirements of IEEE 1547-2018, IEEE1547.1-2020, 1547a-2020, Grid support function is verified according to UL 1741 Supplement SB and IEEE 1547.1-2020 with the SRDs of IEEE 1547-2018, IEEE 1547a-2020 and Hawaiian Electric Co. SRD-V2.0, New York State Standardized Interconnection Requirements and Application Process (2022), Default New England Bulk System Area Settings Requirement (2021). While the grid support function evaluated according to IEEE 1547.1-2020, the interoperability is verified with IEEE 2030.5-2018



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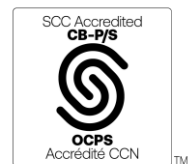
communication protocol.

****Note:** The functional safety has been evaluated according to applicable requirement of CSA C22.2 No. 0.8-19 and UL 1998 Edition 3 as required by the product standard.

*****Note:** The products have been verified with PVRSS function according to NEC-2020 Article 690.12 and CEC-2018 Sec 64-218.

Notes:

Products certified under Class C531109 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

| Project | Date | Description |
|----------------|-------------|--|
| 80127116 | 2022-08-16 | Update report 80127114 to verify the PVRSS function compatibility with alternate PV rapid shut down equipment. |
| 80127114 | 2022-08-11 | Transformerless Grid Support Utility Interactive PV Inverter, Models GW50K-SMT-US and GW60K-SMT-US certification. (C/US) |