



Certificate of Compliance

Certificate: 70184218

Master Contract: 272687

Project: 80059378

Date Issued: October 21, 2020

Issued to: SolaX Power Network Technology (Zhe jiang) Co., Ltd.
No 288, Shizhu Rd, Tonglu Economic Development Zone,
Tonglu City, Zhejiang, 310000,
CHINA
Attention: Jason Shen

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: 
Richard Li

PRODUCTS

CLASS 5311 09 - POWER SUPPLIES - Distributed Generation Power Systems Equipment;
CLASS 5311 89 - POWER SUPPLIES - Distributed Generation Power Systems Equipment - Certified to U.S. Standards;

| Transformer-less, Grid Support Utility Interactive Inverter: | |
|--|---|
| Family series (1), A1-Hybrid-US series, models: | A1-Hybrid-6.0-US, A1-Hybrid-7.0-US, A1-Hybrid-7.6-US, A1-Hybrid-8.6-US; Non-isolated permanently-connected Power Conversion System. Single-phase hybrid multiple mode converter with bidirectional function for AC to DC or DC to AC charge controlling function. Battery or PV or Generator or Grid input, which could be used as utility Interactive or Stand-Alone mode or by-pass mode. The unit has five types of field wiring terminal: PV input terminal, Grid terminal (input and output), Load output terminal, Battery terminal (input and output), Generator input terminal. |
| Family series (2), A1-Fit-US series, models: | A1-Fit-6.0-US, A1-Fit-7.0-US, A1-Fit-7.6-US, A1-Fit-8.6-US; Non-isolated permanently-connected Power Conversion System. Single-phase hybrid multiple mode converter with bidirectional function for AC to DC or DC to AC charge |



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| | controlling function. Battery or Generator or Grid input, which could be used as utility Interactive or Stand-Alone mode or by-pass mode. The unit has four types of field wiring terminal: Grid terminal (input and output), Load output terminal, Battery terminal (input and output), Generator input terminal. |
| Family series (3), A1-US series, models: | A1-6.0-US, A1-7.0-US, A1-7.6-US, A1-8.6-US; Non-isolated permanently-connected, PV grid-interactive inverter. |

APPLICABLE REQUIREMENTS

| | | |
|---|---|---|
| CSA C22.2 No. 107.1-16 | - | Power conversion equipment |
| *UL 1741 | - | Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources (Second Edition, January 28, 2010, including revisions through February 15, 2018) |
| UL1741 CRD | - | Grid Support Utility Interactive Interoperability Optional Functions: Prevent Enter Service and Limit Active Power (CA Rule 21, Phase 3, functions 2 and 3) (Dated October 22, 2019) |
| UL 62109-1 | - | Safety of power converters for use in photovoltaic power systems – Part 1: General requirements (First Edition, Dated July 18, 2014) |
| UL 1699B | - | Photovoltaic (PV) DC Arc-Fault Circuit Protection (First Edition, Dated August 22, 2018) |
| CSA TIL M-07 | - | Interim Certification Requirements for Photovoltaic (PV) DC Arc-Fault Protection (Issue Number 1, March 11, 2013) |
| CSA C22.2 No. 330-17 | - | Photovoltaic rapid shutdown systems. |
| <p>*Note: Conformity to UL 1741 (Second Edition, January 28, 2010, including revisions through February 15, 2018) includes compliance with applicable requirements of IEEE 1547-2003 (R2008), IEEE 1547.1-2005 (R2011), California Public Utility Commission (CPUC) Rule 21, Hawaiian Electric Companies (HECO) Rule 14H, SRD-UL-1741-SA-V1.1 (Updated: 9/26/2017), and UL 1741 Supplement SA8-18.</p> | | |



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 |
|----------|-------------------|---|
| 80059378 | October 21, 2020 | Update report 70184218 to meet UL1741 SA17 and SA18 requirements. |
| 80048173 | September 8, 2020 | Update report 70184218 with below modifications: (1) Update Standard from “UL 1699B (Issue Number 2, January 14, 2013)” to “UL 1699B (First Edition, Dated August 22, 2018)”. (2) Some BOM No. of the Magnet components and some PWB Part No. are updated. |
| 80046234 | August 4, 2020 | Update report 70184218 with below modifications: (1) Update software to comply with Hawaiian Electric Companies (HECO) Rule 14H, SRD-UL-1741-SA-V1.1 (Updated: 9/26/2017), and UL 1741 Supplement SA8-15. (2) Add CSA listed PV Rapid Shutdown Equipment (PVRSE) to comply with applicable requirements of PV Rapid shutdown System (PVRSS). (3) Some BOM No. of the Magnet components and some PWB Part No. are updated. |
| 70221009 | October 21, 2019 | Update report 70184218 with below modifications: (1) Some PWB part number updated. (2) Add an external Split Phase Auto-transformer. (4) Add a Field wiring board for external Split Phase Auto-transformer (Part No.: 098.00474.01). (5) Field wiring board (Part No.: 098.00292.02) updated: delete PV input fuse. |
| 70184218 | December 24, 2018 | Family series (1): A1-Hybrid-US series, models: A1-Hybrid-6.0-US, A1-Hybrid-7.0-US, A1-Hybrid-7.6-US, A1-Hybrid-8.6-US; Non-isolated permanently-connected Power Conversion System. Single-phase hybrid multiple mode converter with bidirectional function for AC to DC or DC to AC charge controlling function. Battery or PV or Generator or Grid input, which could be used as utility Interactive or Stand-Alone mode or by-pass mode. (C/US); Family series (2): A1-Fit-US series, models: A1-Fit-6.0-US, A1-Fit-7.0-US, A1-Fit-7.6-US, A1-Fit-8.6-US; Non-isolated permanently-connected Power Conversion System. Single-phase hybrid multiple mode converter with bidirectional function for AC to DC or DC to AC charge controlling function. Battery or Generator or Grid |



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input, which could be used as utility Interactive or Stand-Alone mode or by-pass mode.

(C/US);

Family series (3):

A1-US series, models: A1-6.0-US, A1-7.0-US, A1-7.6-US, A1-8.6-US;

Non-isolated permanently-connected, PV grid-interactive inverter.

(C/US);