



# Certificate of Compliance

**Certificate:** 70184218

**Master Contract:** 272687


**Project:** 80046234

**Date Issued:** August 19, 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)
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	-	Outline of Investigation for Photovoltaic (PV) DC Arc-Fault Circuit Protection (Issue Number 2, January 14, 2013)
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><b>*Note:</b> 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 SA8-15.</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
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 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);