



# Certificate of Compliance

**Certificate:** 70154937

**Master Contract:** 259077

**Project:** 80035649

**Date Issued:** 2020-03-02

**Issued to:** Altenergy Power System Inc.  
No.1 Yatai Road  
Jiaxing, Zhejiang 314050  
CHINA  
**Attention: Kevin Lu**

*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:** Rohana Yang  
Rohana Yang

## PRODUCTS

CLASS - C531109 - POWER SUPPLIES - Distributed Generation Power Systems Equipment

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

Grid Support Utility Interactive Microinverter, Model YC600, Rack mounted.

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.

## 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, Revision 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)



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\*Note1: Conformity to UL 1741 (Second Edition, Revision February 15, 2018) includes compliance with applicable requirements of IEEE 1547-2003 (R2008), IEEE 1547.1-2005(R2011), California Rule 21 and Supplement SA8-SA18.

\*Note2: This product conforms with NEC-2014 and NEC-2017 Article 690.12 and CEC-2018 Sec 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according manufacturer's instructions.

# 萬泰認證

## CERTIFICATE OF REGISTRATION

*This is to certify that the Management System established by*

### **ALTENERGY POWER SYSTEM INC.**

3F, Building 1, NO.1 Yatai Road, Jiaying Science Park, Nanhu District, Jiaying, Zhejiang, P.R.China  
Rm. B403, No.188 Zhangyang Road, Pudong, Shanghai, P.R.China

**Unified Social Credit Code: 91330400551779794Q**

*Has been assessed to comply with the requirements of the international standard*

## **GB/T19001-2016 idt ISO9001:2015**

### *Scope of certification*

**Design, manufacture, sales of alternative energy power generation equipments**

**NO:15/20Q5187R30 DATE OF ISSUE:Feb,15,2020 VALID UNTIL: Feb,14,2023**  
**The Certificate Information Can be Obtained by Visiting <http://www.cnca.gov.cn>.**



中国认可  
国际互认  
管理体系  
**MANAGEMENT SYSTEM  
CNAS C015-M**

First Surveillance	Second Surveillance	Third Surveillance
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*Wangxiaodong*  
General Manager, WangXiaoDong

The surveillance audit shall be conducted at least once each year within the validity of registration certificate, and the interval between two surveillance audits shall not exceed 12 months.  
The certification organization must conduct surveillance audit regularly and the registration certificate continues effective after the eligible surveillance audit.  
The compliance label will be attached to this registration certificate after the eligible surveillance audit.  
Every certificate, which the certification scope within the required of administrative license or national mandatory certification requirements will become invalid when the license or mandatory certification lose effectiveness





# Certificate of Compliance

**Certificate:** 70154937

**Master Contract:** 259077

**Project:** 70212786

**Date Issued:** 2019-01-25

**Issued to:** Altenergy Power System Inc.  
No.1 Yatai Road  
Jiaxing, Zhejiang 314050  
CHINA  
**Attention:** Kevin Lu

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**Issued by:** *Allen Yao*  
Allen Yao

## **PRODUCTS**

CLASS - C531109 - POWER SUPPLIES - Distributed Generation Power Systems Equipment

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

Grid Support Utility Interactive Microinverter, Model YC600, Rack mounted.

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.

## **APPLICABLE REQUIREMENTS**

CSA C22.2 No. 107.1-16 - General Use Power Supplies

\*UL 1741 - Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources (Second Edition, Revision February 15, 2018)

\*Note: Conformity to UL 1741 (Second Edition, Revision February 15, 2018) includes compliance with applicable requirements of IEEE 1547-2003 (R2008), IEEE 1547.1-2005(R2011), California Rule 21 and Supplement SA.



# Certificate of Compliance

**Certificate:** 70196383

**Master Contract:** 259077

**Project:** 70196383

**Date Issued:** 2018-09-14

**Issued to:** Altenergy Power System Inc.  
No.1 Yatai Road  
Jiaxing, Zhejiang, 314050  
CHINA  
Attention: Guofeng Jiang

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**Issued by:** Allen Yao  
Allen Yao

## **PRODUCTS**

CLASS - C531109 - POWER SUPPLIES-Distributed Generation Power Systems Equipment

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

Utility Interactive Microinverter, Model YC600B, Rack mounted.

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.

## **APPLICABLE REQUIREMENTS**

CSA-C22.2 No. 107.1-16 - General Use Power Supplies

\*UL1741 - Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources (Second Edition, Revision dated February 15, 2018)

\*Note: Conformity to UL 1741 (Second Edition, Revision dated February 15, 2018) includes compliance with applicable requirements of IEEE 1547-2003 (R2008), IEEE 1547.1-2005(R2011)





# Certificate of Compliance

**Certificate:** 70154937

**Master Contract:** 259077

**Project:** 70173254

**Date Issued:** 2018-02-10

**Issued to:** Altenergy Power System Inc.  
No.1 Yatai Road,  
Jiaxing, Zhejiang 314050,  
CHINA  
Attention: Guofeng Jiang

*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:** *Michael Tong*  
Michael Tong

## **PRODUCTS**

CLASS - C531109 - POWER SUPPLIES-Distributed Generation Power Systems Equipment

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

Grid Support Utility Interactive Microinverter, Model YC600, Rack mounted.

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.

## **APPLICABLE REQUIREMENTS**

CSA C22.2 No. 107.1-01 - General Use Power Supplies

\*UL 1741 - Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources (Second Edition, Revision September 7, 2016)

\*Note: Conformity to UL 1741 (Second Edition, Revision September 7, 2016) includes compliance with applicable requirements of IEEE 1547-2003 (R2008), IEEE 1547.1-2005(R2011), California Rule 21 and Supplement SA.



# Certificate of Compliance

**Certificate:** 70154937

**Master Contract:** 259077

**Project:** 70154937

**Date Issued:** 2017-09-07

**Issued to:** Altenergy Power System Inc.  
No.1 Yatai Road  
Jiaxing, Zhejiang 314050  
CHINA  
Attention: Guofeng Jiang

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**Issued by:** *Michael Tong*  
Michael Tong

## **PRODUCTS**

CLASS - C531109 - POWER SUPPLIES-Distributed Generation Power Systems Equipment

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

Utility Interactive Microinverter, Model YC600, Rack mounted.

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.

## **APPLICABLE REQUIREMENTS**

CSA C22.2 No. 107.1-01 - General Use Power Supplies

\*UL Std. No. 1741-Second Edition - Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources (January 28, 2010)

\*Note: Conformity to UL 1741-Second Edition (January 28, 2010) includes compliance with applicable requirements of ANSI/IEEE 1547 (R2008) and ANSI/IEEE 1547.1 (R2011).

# Technical Compliance Statement

## **FCC and ISED VERIFICATION**

Ref. File No.: ACWE-C1W1708057

### **For the following equipment**

**Applicant** : Altenergy Power System Inc.  
**Manufacturer** : Altenergy Power System Inc.  
**FACTORY** : Altenergy Power System Inc.  
**Product** : Microinverter  
**Model Number** : YC600  
**Brand** : APsystems

We, **AUDIX Technology (Wujiang) Co., Ltd. EMC Dept.** hereby certify that the above products has been tested by us with the listed standards and found in compliance with the FCC and ISED official limits. The product might be marketed at the US accordance to FCC Rule based on the standard CFR 47 Part 2 and Part 15 Class B equipment regulations. The test was performed according to the procedures mentioned in ANSI C63.4-2014.

The test data & results are issued on the test report No. **ACWE-F1707002**.

**FCC 47 CFR Part 15 Subpart B and  
ANSI C63.4-2014  
ICES-003 Issue 6: 2016**

Sep.06, 2017



**Ken Lu / Assistant General Manager  
AUDIX Technology (Wujiang) Co., Ltd. EMC Dept.**

The statement is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.





# Letter of Attestation

**Document:** 70164632

**Master Contract:** 259077

**Project:** 70164632

**Date Issued:** November 24, 2017

**Issued to:** Altenergy Power System Inc.  
No.1 Yatai Road,  
Jiaxing, Zhejiang 314050,  
China  
Attention: Guofeng Jiang

*CSA Group hereby confirms that it has completed an evaluation of*

*Utility Interactive Microinverter,*

**Model YC600**

*CSA Group hereby attests that the product identified above and described in CSA Report 70154937 dated September 7, 2017, complies with the following standards/tests, to the extent applicable:*

The testing of the subject inverters were completed according to the following sections of the test protocol entitled “Performance Test Protocol for Evaluating Inverters Used in Grid-Connected Photovoltaic Systems” prepared by “Sandia National Laboratories, Endecon Engineering, BEW Engineering, and Institute for Sustainable Technology”, dated October 14, 2004 as modified by the “CEC Guideline for the use of the Performance Test Protocol for Evaluating Inverters Used in Grid-Connected Photovoltaic Systems - (draft for immediate use)” prepared by KEMA-Xenergy, and BEW Engineering, dated March 1, 2005 with deviations according to the requirements of the California Energy Commission New Solar Homes Partnership Guidebook 2nd edition (CEC-300-2007-008-CMF), Appendix 3, Section B – “Inverters”:

- *Maximum Continuous Power*
- *Conversion Efficiency*
- *Tare Losses*

Notes:

1. For summary of test results and test set up refer to Appendix A and Test Report.

**Issued by:**

*Michael Tong*

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**Issued by Michael Tong, Certifier**

THIS LETTER OF ATTESTATION DOES NOT AUTHORIZE THE USE OF THE CSA MARK ON THE SUBJECT PRODUCTS.



# Certificate of Compliance

**Certificate:** 70154937

**Master Contract:** 259077

**Project:** 70212786

**Date Issued:** 2019-01-25

**Issued to:** Altenergy Power System Inc.  
No.1 Yatai Road  
Jiaxing, Zhejiang 314050  
CHINA  
**Attention:** Kevin Lu

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**Issued by:** *Allen Yao*  
Allen Yao

## **PRODUCTS**

CLASS - C531109 - POWER SUPPLIES - Distributed Generation Power Systems Equipment

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

Grid Support Utility Interactive Microinverter, Model YC600, Rack mounted.

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## **APPLICABLE REQUIREMENTS**

CSA C22.2 No. 107.1-16 - General Use Power Supplies

\*UL 1741 - Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources (Second Edition, Revision February 15, 2018)

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