



2030.5 CSIP

CERTIFIED

THE SUNSPEC ALLIANCE HEREBY CERTIFIES THAT

Altenergy Power System Inc.

Has been issued this SunSpec Certified Product
Award for Successful Testing and Certification of the

PRODUCT NAME

ECU and APstorage

PRODUCT MODELS

ECU-R
ECU-C
APstorage

SUNSPEC DEVICE CATEGORY

Client

AUTHORIZED TEST LABORATORY

CSA Group

TESTING DATE

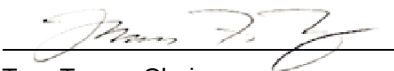
January 14, 2020

AWARDED ON

January 28, 2020

CERTIFICATE NUMBER

CS-000012


Tom Tansy, Chairman



TCB**GRANT OF EQUIPMENT
AUTHORIZATION****TCB**

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

Bay Area Compliance Laboratory Corp.
1274 Anvilwood Avenue
Sunnyvale, CA 94089

Date of Grant: 01/26/2021
Application Dated: 01/26/2021

Altenergy Power System Inc.
No.1, Yatai Road, Jiaxing Zhejiang
314050 P.R. China
Jiaxing,
China

Attention: Guofeng Jiang , Manager

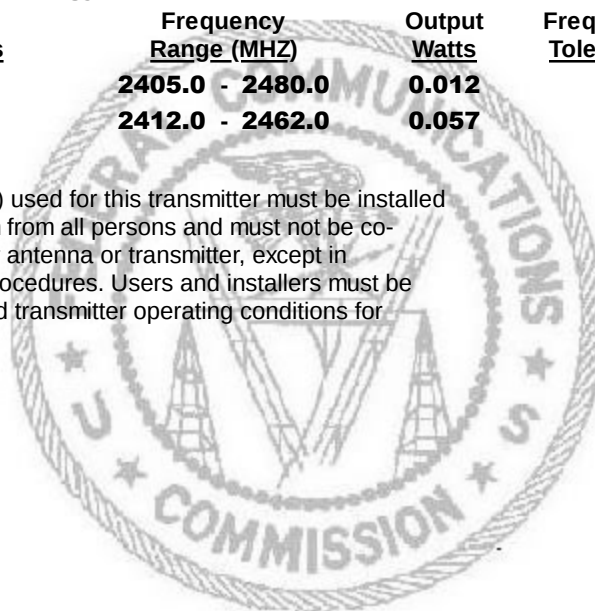
NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is
VALID ONLY for the equipment identified hereon for use under the Commission's
Rules and Regulations listed below.

FCC IDENTIFIER: 2AFGRECUR
Name of Grantee: Altenergy Power System Inc.
Equipment Class: Digital Transmission System
Notes: Energy Communication Unit

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15C	2405.0 - 2480.0	0.012		
	15C	2412.0 - 2462.0	0.057		

Output power listed is conducted. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures. Users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.



TCB**GRANT OF EQUIPMENT
AUTHORIZATION****TCB**

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

**Bureau Veritas Consumer Products
Services, Inc.**
775 Montague Expressway
Milpitas, CA 95035

Date of Grant: 06/23/2020**Application Dated: 06/23/2020**

Altenergy Power System Inc.
No.1, Yatai Road, Jiaxing Zhejiang
314050 P.R. China
Jiaxing,
China

Attention: Kevin Lu , engineer**NOT TRANSFERABLE**

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is
VALID ONLY for the equipment identified hereon for use under the Commission's Rules
and Regulations listed below.

FCC IDENTIFIER: 2AFGR-APS2530H
Name of Grantee: Altenergy Power System Inc.
Equipment Class: Digital Transmission System
Notes: Zigbee module
Modular Type: Single Modular

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15C	2405.0 - 2480.0	0.021577		

RF output power is conducted. Single Modular Approval. Co-location of this module with other transmitters that operate simultaneously are required to be evaluated using the FCC multi transmitter procedures. The host integrator must follow the integration instructions provided by the module manufacturer and ensure that the composite-system end product complies with the FCC requirements by a technical assessment or evaluation to the FCC rules and to KDB Publication 996369. The module antenna(s) must be installed to meet the RF exposure compliance separation distance of 20cm and any additional testing and authorization process as required. The module grantee is responsible for providing the documentation to the system integrator on restrictions of use, for continuing compliance of the module. The host integrator installing this module into their product must ensure that the final composite product complies with the FCC requirements by a technical assessment or evaluation to the FCC rules, including the transmitter operation and should refer to guidance in KDB 996369.

Tracking Number :	CS30251	Certification No.:	20481-APS2530H
Pistage du Nombre		No. DE CERTIFICATION	
Application Type:	Single New	Issued Date (Date Publiée):	June 29, 2020

Issued To (DÉLIVRÉ A):	ALTENERGY POWER SYSTEM INC.		
Address	No.1, Yatai Road, Jiaxing , Zhejiang 314050,P.R. China		
Product Description (DESCRIPTION DU MATÉRIEL):	Zigbee module	Trade Name (MARQUE):	N/A
HVIN :	APS2530H	FVIN :	Inverter_V3.0_F16
PMN :	APS2530H	HMN :	Energy control equipment

Tested By (TESTÉ A) :	BUREAU VERITAS ADT(Shanghai) Corporation	Test Site Registration Number (Numéro du site de test):	6392A
Address (adresse) :	No.829, Xin Zhuan Road, Song Jiang District Shanghai China (Peoples Republic Of)		
Email :	Zhaoqian.YU@cn.bureauveritas.com	Fax : 86-21-61957001	Tel : 86-21-61957001

[illegible]

La certification du matériel signifie seulement que le matériel a satisfait aux exigences de la norme indiquée ci-dessus. Les demandes de licences nécessaires pour l'utilisation du matériel certifié sont traitées en conséquence par le bureau de délivrance d'Industrie Canada et dépendent des conditions radio ambiantes, du service et de l'emplacement d'exploitation. Le présent certificat est délivré à la condition que le titulaire s'assure et continue de satisfaire aux exigences et aux procédures d'Industrie Canada. Le matériel à l'égard duquel le présent certificat est délivré ne doit pas être fabriqué, importé, distribué, loué, mis en vente ou vendu à moins d'être conforme aux procédures et aux spécifications techniques applicables publiées par Industrie Canada.

I hereby attest that the subject equipment was tested and found in compliance with the above-noted specification.
J'atteste, par la présente, que le matériel a fait l'objet d'essai et a été jugé conforme à la spécification ci-dessus.

Signature: 
Leslie Bai
Director of Certification, Canadian Certification



Bureau Veritas Consumer Products Services, Inc.
775 Montague Expressway, Milpitas, CA 95035 USA
Tel: 408 526 1188. Fax: 408 526 1088

Website: <https://cpsusa-bureauveritas.com>, Email: sales.eaw@us.bureauveritas.com
Please check the validation of this certificate at [BV CPS Cert Validation Portal](#)

TECHNICAL APPROVAL CERTIFICATE

based on the Agreement on Mutual Recognition
between the European Community and Canada

CERTIFICAT D'APPROBATION TECHNIQUE

en se basant l'accord de reconnaissance mutuelle
entre la Communauté Européenne et le Canada

CERTIFICATE NUMBER

NUMÉRO DE CERTIFICAT

15-210578

CERTIFICATION NUMBER

NUMÉRO DE CERTIFICATION

IC: 20481-APS2530P

TYPE OF SERVICE

TYPE DE SERVICE

New Single Certification (Modular Approval)

CERTIFICATE HOLDER

TITULAIRE DU CERTIFICAT

Altenergy Power System Inc.

No.1, Yatai Road, Jiaxing Zhejiang 314050

P.R. China

TYPE OF EQUIPMENT

GENRE DE MATÉRIEL

Zigbee Module

MODEL NUMBER

NUMÉRO DE MODÈLE

APS2530P

FREQUENCY RANGE

BANDÉ DE FRÉQUENCES

2405-2480 MHz

EMISSION DESIGNATION (TRC-43)

DÉSIGNATION D'ÉMISSION (CRT-43)

1M63G1D

R.F. POWER RATING (WATT)

PUISSANCE NOMINALE H.F (WATT)

0.0048W

ANTENNA INFORMATION

INFORMATION D'ANTENNE

PCB Antenna, Gain: 0.8 dBi

CONTACT INFORMATION OF TESTING LABORATORY

COORDONNÉES DU LABORATOIRE D'ESSAI

CCIC-SET

Electronic Testing Building, Shahe Road, Xili Town,

Nanshan District, Shenzhen Shenzhen, China

CERTIFIED TO

CERTIFIÉ SELON LE

SPECIFICATION / ISSUE

CAHIER DES CHARGES / ÉDITION

RSS-247 Issue 1, RSS-GEN Issue 4,

RSS-102 Issue 5

Certification of equipment means only that the equipment has met the requirements of the above-noted specification. Licence applications, where applicable to use certified equipment, are acted on accordingly by the Industry Canada issuing office and will depend on the existing radio environment, service and location of operation. This certificate is issued on condition that the holder complies and will continue to comply with the requirements and procedures issued by Industry Canada. The equipment for which this certificate is issued shall not be manufactured, imported, distributed, leased, offered for sale or sold unless the equipment complies with the applicable technical specifications and procedures issued by Industry Canada.

La certification du matériel signifie seulement que le matériel a satisfait aux exigences de la norme indiquée ci-dessus. Les demandes de licences nécessaires pour l'utilisation du matériel certifié sont traitées en conséquence par le bureau de délivrance d'Industrie Canada et dépendent des conditions radio ambiantes, du service et de l'emplacement d'exploitation. Le présent certificat est délivré à la condition que le titulaire satisfasse et continue de satisfaire aux exigences et aux procédures d'Industrie Canada. Le matériel à l'égard duquel le présent certificat est délivré ne doit pas être fabriqué, importé, distribué, loué, mis en vente ou vendu à moins d'être conforme aux procédures et aux spécifications techniques applicables publiées par Industrie Canada.

Labelling of Certified Radio Equipment: Equipment that has received certification but is not labelled with the model number and the certification number as outlined above is not considered certified.

Étiquetage du matériel radio homologué: Le matériel pour lequel une certification a été obtenue mais qui n'est pas étiqueté conformément aux exigences ci-dessus (numéro de modèle et numéro de certification) n'est pas considéré comme certifié.

I hereby attest that the subject equipment was tested and found in compliance with the above-noted specification.

J'atteste, par la présente, que le matériel a fait l'objet d'essai et a été jugé conforme à la spécification ci-dessus.

Certification Body Code: DE0003

recognised by



Bundesnetzagentur



Signed by / Signataire Alan Lane

Blomberg, 09 September 2015

Foreign Certification Body (FCB)

BNetzA-CAB-04/22-53

TECHNICAL APPROVAL CERTIFICATE

based on the Agreement on Mutual Recognition
between the European Community and Canada

CERTIFICAT D'APPROBATION TECHNIQUE

en se basant l'accord de reconnaissance mutuelle
entre la Communauté Européenne et le Canada

CERTIFICATE NUMBER

NUMÉRO DE CERTIFICAT

15-210579

CERTIFICATION NUMBER

NUMÉRO DE CERTIFICATION

IC: 20481-APS2530S

TYPE OF SERVICE

TYPE DE SERVICE

New Single Certification (Modular Approval)

CERTIFICATE HOLDER

TITULAIRE DU CERTIFICAT

Altenergy Power System Inc.

No.1, Yatai Road, Jiaxing Zhejiang 314050

P.R. China

TYPE OF EQUIPMENT

GENRE DE MATÉRIEL

Zigbee Module

MODEL NUMBER

NUMÉRO DE MODÈLE

APS2530S

FREQUENCY RANGE

BANDÉ DE FRÉQUENCES

2405-2480 MHz

EMISSION DESIGNATION (TRC-43)

DÉSIGNATION D'ÉMISSION (CRT-43)

1M63G1D

R.F. POWER RATING (WATT)

PUISSANCE NOMINALE H.F (WATT)

0.0048W

ANTENNA INFORMATION

INFORMATION D'ANTENNE

Ipex connector with Whip Antenna, Gain: 2 dBi

CONTACT INFORMATION OF TESTING LABORATORY

COORDONNÉES DU LABORATOIRE D'ESSAI

CCIC-SET

Electronic Testing Building, Shahe Road, Xili Town,

Nanshan District, Shenzhen Shenzhen, China

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SPECIFICATION / ISSUE

CAHIER DES CHARGES / ÉDITION

RSS-247 Issue 1, RSS-GEN Issue 4,

RSS-102 Issue 5

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Signed by / Signataire Alan Lane

Blomberg, 09 September 2015

Foreign Certification Body (FCB)

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