
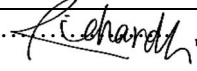


Letter of Attestation

According to
Low Voltage Directive 2014/35/EU

Product:	Aurora Intelligent AC charging pile				
Name of the applicant:	Wanbang Digital Energy Co., Ltd.				
Address of the applicant:	No.39, Longhui Road, Wujin National Hi-Tech Industrial Development District, Changzhou, Jiangsu, China				
Name of the manufacturer:	Wanbang Digital Energy Co., Ltd.				
Address of the manufacturer:	No.39, Longhui Road, Wujin National Hi-Tech Industrial Development District, Changzhou, Jiangsu, China				
Ratings and principal characteristics:	Model / Type Ref.	DH-AC0070XG70	DH-AC0070XG71	DH-AC0110XG70	DH-AC0110XG71
	Nominal input voltage (Vac):	230 Vac	230 Vac	230/400 Vac	230/400 Vac
	Nominal input frequency (Hz):	50 Hz	50 Hz	50 Hz	50 Hz
	Max. continuous output current (A):	32 A	32 A	16 A	16 A
	Nominal output power (W):	7 kW	7 kW	11 kW	11 kW
	Operating ambient temperatures:	-30 °C to +50 °C	-30 °C to +50 °C	-30 °C to +50 °C	-30 °C to +50 °C
	Protective class:	Class I	Class I	Class I	Class I
	Ingress protection (IP):	IP55	IP54	IP55	IP54
Trade Mark (if any):	 Star Charge®				
Model / Type Ref.:	DH-AC0070XG70, DH-AC0070XG71, DH-AC0110XG70, DH-AC0110XG71				
Tested according to:	EN 61851-1:2019				


Date: April 6, 2021	Signature: 
Ref. Certif. No.: 80053355 (Project No.: 80076777)	


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

QUOTATIONS FROM THE TEST REPORT OR THE USE OF THE NAME CSA GROUP OR ITS REGISTERED TRADEMARK, IN ANY WAY, IS NOT PERMITTED WITHOUT PRIOR WRITTEN CONSENT OF CSA GROUP TESTING & CERTIFICATION INC.



Letter of Attestation

Product:	Aurora Intelligent AC charging pile				
Name of the applicant:	Wanbang Digital Energy Co., Ltd.				
Address of the applicant:	No.39, Longhui Road, Wujin National Hi-Tech Industrial Development District, Changzhou, Jiangsu, China				
Name of the manufacturer:	Wanbang Digital Energy Co., Ltd.				
Address of the manufacturer:	No.39, Longhui Road, Wujin National Hi-Tech Industrial Development District, Changzhou, Jiangsu, China				
Ratings and principal characteristics:	Model / Type Ref.	DH-AC0070XG70	DH-AC0070XG71	DH-AC0110XG70	DH-AC0110XG71
	Nominal input voltage (Vac):	230 Vac	230 Vac	230/400 Vac	230/400 Vac
	Nominal input frequency (Hz):	50 Hz	50 Hz	50 Hz	50 Hz
	Max. continuous output current (A):	32 A	32 A	16 A	16 A
	Nominal output power (W):	7 kW	7 kW	11 kW	11 kW
	Operating ambient temperatures:	-30 °C to +50 °C	-30 °C to +50 °C	-30 °C to +50 °C	-30 °C to +50 °C
	Protective class:	Class I	Class I	Class I	Class I
	Ingress protection (IP):	IP55	IP54	IP55	IP54
Trade Mark (if any):	 Star Charge®				
Model / Type Ref.:	DH-AC0070XG70, DH-AC0070XG71, DH-AC0110XG70, DH-AC0110XG71				
Tested according to:	IEC 61851-21-2:2018				

Date: March 2, 2021	Signature: ...  ...
Ref. Certif. No.: 80053356	

THIS LETTER OF ATTESTATION DOES NOT AUTHORIZE THE USE OF THE CSA MARK ON THE SUBJECT PRODUCTS. QUOTATIONS FROM THE TEST REPORT OR THE USE OF THE NAME CSA GROUP OR ITS REGISTERED TRADEMARK, IN ANY WAY, IS NOT PERMITTED WITHOUT PRIOR WRITTEN CONSENT OF CSA GROUP TESTING & CERTIFICATION INC.



LCIE

ATTESTATION of conformity with European Directives

Product: Aurora AC charger
Reference: See Annex 1 on page 2
Issued to: Wanbang Digital Energy Co., Ltd.
Address: No.39, Longhui Road, Wujin National Hi-Tech Industrial Development District, Changzhou, Jiangsu, China
Manufacturer: Wanbang Digital Energy Co., Ltd.
Technical characteristics: See Annex 1 on page 2

The submitted sample of the above equipment has been tested for **CE** marking according to following European Directive and following standards:
RED: Directive 2014/53/EU

Standards	Report number	Report date
Safety: EN IEC 61851-1:2019	ABJB-ESH-P20112443-1A	2021.3.5
RF: EN 300 328 V2.2.2(2019-07) ETSI EN 301 908-1 V13.1.1(2019-11) ETSI EN 301 908-2 V13.1.1(2020-06) ETSI EN 301 908-13 V13.1.1(2019-11) ETSI EN 301 511 V12.5.1(2017-03)	ABJB-ESH-P20112443B-1 ABJB-ESH-P20112443B-2 ABJB-ESH-P20112443B-4 ABJB-ESH-P20112443B-5	2021.3.8 2021.3.8 2021.3.8 2021.3.8
EMC: IEC 61851-21-2:2018 EN 301 489-1 V2.2.3(2019-11) EN 301 489-17 V3.2.4(2020-09) EN 301 489-52 V1.1.0(2016-11)	ABJB-ESH-P20112443-1B ABJB-ESH-P20112443-3	2021.3.5 2021.3.8
MPE: EN 50665:2017 & EN 62311:2008	ABJB-ESH-P20112443B-6	2021.3.8

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified European Directive

This verification does not imply assessment of the production of the product

The **CE** marking may be affixed if all relevant and effective European Directives with **CE** are applicable

Shanghai (P.R. China), Mar.11th, 2021

Denis SUN
Product Line Manager



Denis Sun

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Information given in this document, are related to the tested specimen of the described electrical sample.

Annex 1 Technical Characteristics

MODEL LIST

Model / Type Ref.	DH-AC0070XG70	DH-AC0070XG71	DH-AC0110XG70	DHAC0110XG71
Nominal input voltage (Vac):	230 Vac	230 Vac	230/400 Vac	230/400 Vac
Nominal input Frequency (Hz):	50Hz	50Hz	50Hz	50Hz
Max. continuous output current (A):	32A	32A	16A	16A
Nominal output Power (W):	7kW	7kW	11kW	11kW
Operating ambient temperatures:	-30deg.c to +50deg.c	-30deg.c to +50deg.c	-30deg.c to +50deg.c	-30deg.c to +50deg.c
Protective class:	Class I	Class I	Class I	Class I
Ingress protection (IP):	IP55	IP54	IP55	IP54

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified European Directive

This verification does not imply assessment of the production of the product

The **CE** marking may be affixed if all relevant and effective European Directives with **CE** are applicable

Shanghai (P.R. China), Mar.11th, 2021

Denis SUN
Product Line Manager

Denis Sun



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Information given in this document, are related to the tested specimen of the described electrical sample.

LCIE CHINA

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Fax: +86 21 6195 7001
Email: contact@cn.bureauveritas.com



EU-Type Examination Certificate

with respect to the presumption of
Compliance of a product with the essential requirements of

RE DIRECTIVE 2014/53/EU

Certificate Number	CS34450
Certificate Holder	Wanbang Digital Energy Co., Ltd.
Address	No.39, Longhui Road, Wujin National Hi-Tech Industrial Development Zone, Changzhou, Jiangsu, China
Manufacturer	Wanbang Digital Energy Co., Ltd.
Address	No.39, Longhui Road, Wujin National Hi-Tech Industrial Development Zone, Changzhou, Jiangsu, China
Product Type/Description	Aurora AC charger
Trade Name	 Star Charge®
Model Number	DH-AC0070XG70, DH-AC0070XG71, DH-AC0110XG70, DH-AC0110XG71
Product Identification Element	DH-AC0070XG70, DH-AC0070XG71, DH-AC0110XG70, DH-AC0110XG71

Applied / Complied Harmonized Standards		Complied
RE Directive 2014/53/EU, Article 3(1)(a) ■ Safety	EN IEC 61851-1:2019	Y
RE Directive 2014/53/EU, Article 3(1)(a) ■ Health	EN 50665:2017, EN 62311:2008	Y
RE Directive 2014/53/EU, Article 3(1)(b) ■ EMC	EN 301 489-1 V2.2.3, EN 301 489-3 V2.1.1, EN 301 489-17 V3.2.4, Draft EN 301 489-52 V1.1.0 EN IEC 61851-21-2:2021	Y
RE Directive 2014/53/EU, Article 3(2) ■ Radio	EN 301 511 V12.5.1, EN 301 908-1 V13.1.1, EN 301 908-2 V13.1.1, EN 301 908-13 V13.1.1, EN 300 328 V2.2.2, EN 300 330 V2.1.1	Y

Authorized By: *Darren Shih*

Darren Shih, Senior Manager

Issue Date: November 15, 2021

Expiry Date: November 14, 2026

PS: This Certificate is Issued in Accordance with Annex III of the RE Directive 2014/53/EU and is only valid in Conjunction with the Following Annex I.

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

Website: <https://www.cps.bureauveritas.com/>, Email: bureauveritas@bureauveritas.com


**BUREAU
VERITAS**

Annex I of RED EU-TYPE Examination Certificate

Certificate Number: CS34450

Product Specifications	
Frequency Range	13.56MHz (NFC), 2402-2480 MHz (BT), 2412-2472 MHz (Wi-Fi) GSM 900: 880-915 MHz, Rx: 925-960 MHz, GSM 1800: Tx: 1710-1785 MHz, Rx: 1805-1880 MHz WCDMA Band I: Tx: 1920-1980 MHz, Rx: 2110-2170 MHz WCDMA Band VIII: Tx: 880-915 MHz, Rx: 925-960 MHz LTE Band 1: Tx: 1920-1980 MHz, Rx: 2110-2170 MHz LTE Band 3: Tx: 1710-1785MHz, Rx: 1805-1880MHz, LTE Band 7: Tx: 2500-2570MHz, Rx: 2620-2690MHz LTE Band 8: Tx: 880-915MHz, Rx: 925-960MHz, LTE Band 20: Tx: 832-862MHz, Rx: 791-821MHz
RF Output Power (EIRP)	2.76 dBuA/m@3m (NFC), 8.74 dBm (BDR), 8.76 dBm (EDR) 2.4G Wi-Fi: 11b: 17.30dBm, 11g: 18.64 dBm, 11n20: 17.82 dBm 33 dBm* (GSM 900), 30 dBm* (GSM 1800), 24 dBm* (WCDMA), 23 dBm* (LTE)
Type of Antenna	PCB Antenna (NFC), External Antenna (BT, Wi-Fi), Fixed Internal Antenna (GSM, WCDMA, LTE)
Modulation	ASK (NFC); BT: FHSS/GFSK, $\pi/4$ -DQPSK, 8DPSK 802.11b: DQPSK, DBPSK, CCK; 802.11g/n: OFDM/64-QAM, 16-QAM, QPSK, BPSK GSM: GMSK/8PSK, WCDMA: QPSK, LTE: QPSK/16QAM
Mode of Operation (Simplex / Duplex)	Duplex
Duty Cycle	-
Comments	*: Conducted power. - All the models in this CE RED NB Certificate are identical in circuitry and electrical for wireless part; the only differences are the appearance and model No. for marketing purpose.

Technical Documentation Identification

Test Report	
RE Directive 2014/53/EU, Article 3(1)(a) ■ Health & Safety	ABJB-ESH-P20112443-1A (Safety), ABJB-ESH-P20112443B-6 (Health)
RE Directive 2014/53/EU, Article 3(1)(b) ■ EMC	ABJB-ESH-P20112443B-3, ABJB-ESH-P20112443-1B-R1
RE Directive 2014/53/EU, Article 3(2) ■ Radio	ABJB-ESH-P20112443B-1, ABJB-ESH-P20112443B-2, ABJB-ESH-P20112443B-4, ABJB-ESH-P20112443B-5, ABJB-ESH-P20112443B-7
User Manual	<input checked="" type="checkbox"/>
Product Label	<input checked="" type="checkbox"/>
Block Diagram	<input checked="" type="checkbox"/>
Circuit Diagram	<input checked="" type="checkbox"/>
BOM	<input checked="" type="checkbox"/>
Declaration of Conformity	<input checked="" type="checkbox"/>
Risk Assessment	<input checked="" type="checkbox"/>
Operational description	<input checked="" type="checkbox"/>
PCB Layout	<input checked="" type="checkbox"/>
Package	<input checked="" type="checkbox"/>

Based on the evidence presented, our certificate in accordance with Annex III of Council Directive 2014/53/EU on Radio Equipment Directive and the mutual recognition of their conformity is that the apparatus identified above complies with the requirements of that Directive stated above.

Note: Compliance with the above Directive does not guarantee the right to use the above mentioned equipment in any EU member state. No configuration, other than described above, has been considered and is therefore not included in this certificate.

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

Website: <https://www.cps.bureauveritas.com/>, Email: certification@bureauveritas.com

Please check the validation of this certificate at [BV CPS Cert Validation Portal](#)