

**Business Stream Products  
Certification Department**

TÜV Rheinland LGA Products GmbH · 90431 Nürnberg

Beijing X-CHARGE Technology  
Co., Ltd.  
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CHINA

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Date November 05, 2018

**Application for** : **EU-Type Examination Certificate**  
Certificate No. : RT 60133708 Sheet 0001  
Device : Radio Equipment  
(DC EV Charger)  
Type : see Certificate  
Test requirement : see Certificate

Dear Madame or Sir,

Please find attached the EU-Type Examination Certificate based on the conformity Assessment Annex III Module B of the directive 2014/53/EU, issued by the Notified Body.

Kind regards

Certification body



S. Peng

Test sample: stored by the applicant

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Notified Body  
**TÜV Rheinland**  
**LGA Products GmbH**

Tillystraße 2  
90431 Nürnberg

notified by the

Bundesnetzagentur für Elektrizität, Gas,  
Telekommunikation, Post und Eisenbahnen

**under No. 0197**

herewith issues an

**EU-Type Examination Certificate**

within the meaning of Annex III Module B of the 2014/53/EU Radio Equipment Directive (RED)  
for compliance with the essential requirements of this directive



Registration Number: RT 60133708 0001

Evaluation Report Nr.: 50196135 001

Manufacturer:

Beijing X-CHARGE Technology  
Co., Ltd.  
C119, 2nd Floor, Building 7  
51 Longgang Road, Haidian District  
Beijing  
China

Product:

Radio Equipment  
(DC EV Charger)

Type

Identification:

C6EU/160-200-1000VDC-1-JC C6EU/160-200-1000VDC-1-CC  
C6EU/160-200-1000VDC-1-CO C6EU/060-200-1000VDC-1-JC  
C6EU/060-200-1000VDC-1-CC C6EU/060-200-1000VDC-1-CO  
(XCHARGE)

Essential

requirements:

2014/53/EU (RED)  
Article 3.1a Health  
Article 3.1a Electrical Safety  
Article 3.1b EMC  
Article 3.2 Radio spectrum

The technical design of the assessed type has been verified based on the technical documentation presented by the manufacturer according to Annex III Module B of the Directive. As far as the essential requirements indicated, the Notified Body of TÜV Rheinland LGA Products GmbH confirms, that the technical design of the apparatus meets the essential requirements of the Directive 2014/53/EU Article 3.

This certificate consists of this page and Annex I.

Validity of the certificate is specified in the Annex I.

Date 05.11.2018



Notified Body

  
S. Peng

## Equipment

Product : DC EV Charger  
 Trademark : XCHARGE  
 Identification : C6EU/160-200-1000VDC-1-JC, C6EU/160-200-1000VDC-1-CC, C6EU/160-200-1000VDC-1-CO, C6EU/060-200-1000VDC-1-JC, C6EU/060-200-1000VDC-1-CC, C6EU/060-200-1000VDC-1-CO  
 Product description : The EUTs are DC EV charger with GSM/WCDMA and NFC functions.

## System description

Frequency band(s) of operation : E-GSM 900, DCS 1800, WCDMA Band I/VIII, 13.56 MHz  
 Operating frequency : E-GSM 900: Uplink: 880-915MHz, Downlink: 925-960MHz  
 DCS 1800: Uplink: 1710-1785MHz, Downlink: 1805-1880MHz  
 WCDMA Band I: Uplink: 1920-1980MHz, Downlink: 2110-2170MHz  
 WCDMA Band VIII: Uplink: 880-915MHz, Downlink: 925-960MHz  
 NFC: 13.56 MHz  
 Channel spacing / bandwidth : 200kHz, 5MHz  
 RF output power : E-GSM 900: 33dBm±2dB, DCS 1800: 30dBm±2dB  
 WCDMA: 24dBm+1.7dB/-3.7dB  
 NFC: 0.97 dBuA/m  
 Type of modulation : GMSK, 8PSK, QPSK, ASK  
 Type of antenna : Integral Antenna  
 Mode of operation (simplex / duplex) : Duplex  
 Duty cycle (access protocol, if applicable) : Up to 100%

## Documentation

User information and installation instructions   
 Block diagram   
 Circuit diagram   
 Part list   
 PCB layout   
 Photo documentation   
 Versions of firmware/software used   
 Risk Analysis

## Conformity Assessment

Applied harmonised standards (Referred to the publication of harmonised standards in the official Journal of the EU at the time of issuance)			
Article	Standard	Test Report No.	Issued by
3.1a Health	EN 50385:2017	50161724 002	TÜV Rheinland (Shenzhen) Co., Ltd.
3.1a Safety	--	--	--
3.1b EMC	--	--	--
3.2 Radio	EN 301 511 V12.5.1 EN 301 908-1 V11.1.1 EN 301 908-2 V11.1.2 EN 300 330 V2.1.1	50161724 002	TÜV Rheinland (Shenzhen) Co., Ltd.
3.3 Others	--	--	--

Applied non-harmonised standards			
Article	Standard	Test Report No.	Issued by
3.1a Health	--	--	--
3.1a Safety	EN 61851-1:2011 EN 61851-23:2014 EN 61851-24:2014	50145599 001	TÜV Rheinland (Shenzhen) Co., Ltd.
3.1b EMC	Draft EN 301 489-1 V2.2.0 Final Draft EN 301 489-3 V2.1.1 Draft EN 301 489-52 V1.1.0	50161724 001	TÜV Rheinland (Shenzhen) Co., Ltd.
3.2 Radio	--	--	--
3.3 Others	--	--	--

Other solutions, adopted to meet the essential requirements			
Article	Standard	Test Report No.	Issued by
3.1a Health	--	--	--
3.1a Safety	--	--	--
3.1b EMC	--	--	--
3.2 Radio	--	--	--
3.3 Others	--	--	--

**Rationale for applied non-harmonised standards or other solutions:**

- EN 61851-1 Electric vehicle conductive charging system - Part 1: General requirements
- EN 61851-23 Electric vehicle conductive charging system - Part 23: DC electric vehicle charging station
- EN 61851-24:2014 Electric vehicle conductive charging system - Part 24: Digital communication between a d.c. EV charging station and an electric vehicle for control of d.c. charging
- EN 301 489 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services  
Part 1: Common technical requirements  
Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz  
Part 52: Specific conditions for Cellular Communication Mobile and portable (UE) radio and ancillary equipment

**Remarks:**

- This Type Examination Certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.
- This Type Examination Certificate only relates to the assessment of technical documentation to verify that the technical design of radio equipment meets the essential requirements of the RED 2014/53/EU and will not show compliance with essential requirements of other possible applicable EU Directives.
- The manufacturer has declared in compliance with art. 10.2 that the Radio Equipment can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.