

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 60177391 0001

Evaluation Report Nr.: CN244VH5 001

Manufacturer:

Easee ASA  
Vassbotnen 23  
4033 Stavanger  
Norway

Product:

Radio Equipment  
(Easee Charge Core)

Type  
Identification:

CB-A3-2/C01-STD2-02 (easee)

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 **01.08.2024**



Notified Body

S. Peng

## Equipment

<b>Product</b>	: Easee Charge Core
<b>Trademark</b>	: easee
<b>Identification</b>	: CB-A3-2/C01-STD2-02
<b>Product description</b>	: Easee Charge Core is the charging solution designed for bigger sites on the hardware platform CB-A3-2.
<b>Remark</b>	: The pre-certified module (ESP32-WROOM-32E and BG95-M3) were integrated into the EUT.

## System description

Frequency band(s) of operation	: 11.810 - 15.310 MHz; 868.0 - 868.6 MHz; 2400 - 2483,5 MHz; LTE Band 1/3/8/20/28
Operating frequency	: 13.56 MHz; 868.075 - 868.525 MHz Bluetooth: 2402 - 2480 MHz 2.4 GHz WLAN: 2412 - 2472 MHz LTE Band 1: Uplink: 1920-1980MHz, Downlink: 2110-2170MHz LTE Band 3: Uplink: 1710-1785MHz, Downlink: 1805-1880MHz LTE Band 8: Uplink: 880-915MHz, Downlink: 925-960MHz LTE Band 20: Uplink: 832-862MHz, Downlink: 791-821MHz LTE Band 28: Uplink: 703-748MHz, Downlink: 758-803MHz
Channel spacing / bandwidth	: 100 kHz, 2 MHz, 20 MHz, 40 MHz, 10 MHz
RF output power	: 868 MHz: < 12 dBm (Max. e.r.p) Bluetooth: 3.41 dBm (Max. e.i.r.p.) 2.4 GHz WLAN: 12.26 dBm (Max. e.i.r.p.) LTE: 21 dBm (Rated RF power) RFID: 3.3 dBuA/m @3m
Type of modulation	: 2-FSK, 2-GFSK, ASK, GFSK, pi/4-DQPSK, 8DPSK DSSS (DBPSK/DQPSK/CCK) OFDM (BPSK, QPSK, 16QAM, 64QAM) QPSK
Type of antenna	: Integral PCB Antenna for Bluetooth and WLAN Ceramic antenna for 868 MHz, Coil antenna for RFID Integral antenna for LTE
Mode of operation (simplex / duplex)	: Duplex
Duty cycle (access protocol, if applicable)	: Up to 100%
Hardware version	: Pwr-board V1-E1 Com-board V1-F2
Software version	: V324

## Documentation

User information and installation instructions	<input checked="" type="checkbox"/>
Block diagram	<input checked="" type="checkbox"/>
Circuit diagram	<input checked="" type="checkbox"/>
Part list	<input checked="" type="checkbox"/>
PCB layout	<input checked="" type="checkbox"/>
Photo documentation	<input checked="" type="checkbox"/>
Versions of firmware/software used	<input checked="" type="checkbox"/>
Statement of compliance with art. 10.2 it can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.	<input checked="" type="checkbox"/>
Risk Analysis	<input checked="" type="checkbox"/>

### Conformity Assessment

<b>Applied harmonised standards</b> (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:	--	--	--
3.1a Safety:	--	--	--
3.1b EMC:	--	--	--
3.2 Radio:	EN 300 328 V2.2.2 (2019-07) EN 300 220-2 V3.1.1 (2017-02) EN 300 330 V2.1.1 (2017-02) EN 301 908-1 V15.1.1 (2021-09) EN 301 908-13 V13.2.1 (2022-02)	DE23BGSM 001 DE23EFBG 002 DE23JV8X 001 DE23XNU9 001 DE23ZB6N 001 R2304A0458-R2	TÜV Rheinland LGA Products GmbH  TA Technology (Shanghai) Co., Ltd.
3.3 Others:	--	--	--

<b>Applied non-harmonised standards</b>			
Article	Standard	Test Report No.	Issued by
3.1a Health:	EN IEC 62311:2020 EN 62471:2008	DE23S0IH 001 OC-2018-70040	TÜV Rheinland LGA Products GmbH SGS Taiwan Ltd., Optics Laboratory
3.1a Safety:	EN IEC 61851-1:2019  EN IEC 61439-7:2020	DE23DB0X 002  028-713182551-000_61439	TÜV Rheinland LGA Products GmbH TÜV SÜD Product Service GmbH
3.1b EMC:	IEC 61851-21-2:2018 EN 301 489-1 V2.2.3 EN 301 489-17 V3.2.4 EN 301 489-3 V2.3.2 Draft EN 301 489-52 V1.1.2	TR-56586-82551-01 (Edition 03) 423.208.1 Rev.0	TÜV SÜD Product Service GmbH  CEcert GmbH
3.2 Radio:	--	--	--
3.3 Others:	--	--	--

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

- Standards are either in the EMC/LVD OJ, on CENELEC and ETSI, IEC website as current, or valid for RED compliance.

### 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.
- Validity of this Type Examination Certificate is limited to the versions of the applied standard. If versions of standards change or modifications are made to the product, this Certificate will be invalidated.