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 60176554 0001
Evaluation Report Nr.: DE23MSHV 002

Manufacturer: go-e GmbH
Satellitenstr. 1
Metzing
9560 Feldkirchen in Kärnten
Austria

Product: Radio Equipment
(Electric Vehicle Supply Equipment)

Type Identification:
go-e Charger Gemini 2.0 11 kW
go-e Charger Gemini 2.0 22 kW
go-e Charger Gemini flex 2.0 11 kW
go-e Charger Gemini flex 2.0 22 kW (go-e)

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.

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

Notified Body

Sam Lin

Date **20.06.2024**

Equipment

Product	:	Electric Vehicle Supply Equipment
Trademark	:	go-e
Identification	:	go-e Charger Gemini 2.0 11 kW, go-e Charger Gemini 2.0 22 kW, go-e Charger Gemini flex 2.0 11 kW, go-e Charger Gemini flex 2.0 22 kW
Product description	:	The EUTs are Electric Vehicle Supply Equipment which supports WLAN, WWAN and RFID wireless technologies.

System description

Frequency band(s) of operation	:	2400 MHz to 2483,5 MHz, 11,810 MHz to 15,310 MHz, E-GSM 900, DCS 1800, LTE Band 1/3/7/8/20
Operating frequency	:	E-GSM 900: Uplink: 880-915MHz, Downlink: 925-960MHz DCS 1800: Uplink: 1710-1785MHz, Downlink: 1805-1880MHz LTE Band 1: Uplink: 1920-1980MHz, Downlink: 2110-2170MHz LTE Band 3: Uplink: 1710-1785MHz, Downlink: 1805-1880MHz LTE Band 7: Uplink: 2500-2570MHz, Downlink: 2620-2690MHz LTE Band 8: Uplink: 880-915MHz, Downlink: 925-960MHz LTE Band 20: Uplink: 832-862MHz, Downlink: 791-821MHz Wi-Fi: 2412-2472 MHz RFID: 13.56 MHz
Channel spacing / bandwidth	:	200kHz, 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz, 40MHz
RF output power	:	E-GSM 900: 33dBm±2dB DCS 1800: 30dBm±2dB LTE: 23dBm±2dB RFID: 8.3dBuA/m @ 3m Module – ESP32-WROOM-DA Wi-Fi: 2412-2472 MHz: 19.13 dBm (Max. e.i.r.p.)
Type of modulation	:	GMSK, 8PSK, QPSK, 16QAM, 64QAM, DSSS, CCK, OFDM, OOK
Type of antenna	:	GSM/LTE: Integral antenna Wi-Fi: Integral antenna, inverted F antenna RFID: Magnetic loop antenna
Mode of operation (simplex / duplex)	:	Duplex
Duty cycle (access protocol, if applicable)	:	Up to 100%
Hardware version	:	Main Board: V4 MB Rev.1 Logic Board: V5 LB Rev.1
Software version	:	4576515d
Other relevant information	:	Contains the certified modules: WWAN module: A7682E manufactured by SIMCom Wireless Solutions Limited Wi-Fi module: ESP32-WROOM-DA manufactured by ESPRESSIF SYSTEMS (SHANGHAI) CO., LTD.

Documentation

User information and installation instructions	☒
Block diagram	☒
Circuit diagram	☒
Part list	☒
PCB layout	☒
Photo documentation	☒
Versions of firmware/software used	☒
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.	☒
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:	--	--	--
3.1a	Safety:	--	--	--
3.1b	EMC:	--	--	--
3.2	Radio:	EN 300 330 V2.1.1 EN 300 328 V2.2.2 EN 301 908-1 V15.1.1 EN 301 908-13 V13.2.1 EN 301 511 V12.5.1	DE23QYQW 001 DE23TD38 001 DE23QQ5I 001 DE2346FY 001 A7682E Module: 2109RSU046-E1 2109RSU046-E3	TÜV Rheinland LGA Products GmbH MRT Technology (Suzhou) Co., Ltd
3.3	Others:	--	--	--

Applied non-harmonised standards				
Article		**Standard**	**Test Report No.**	**Issued by**
3.1a	Health:	EN IEC 62311:2020	DE24XO2R 001	TÜV Rheinland LGA Products GmbH
3.1a	Safety:	EN IEC 61851-1:2019 EN 62752:2016+A1:2020	DE22072R 004 HU23FE53 003	TÜV Rheinland LGA Products GmbH TÜV Rheinland InterCert Kft.
3.1b	EMC:	EN 301 489-1 V2.2.3 EN 301 489-3 V2.3.2 EN 301 489-17 V3.2.4 EN 301 489-52 V1.2.1 EN IEC 61851-21-2:2021 EN 61000-3-2:2014 EN 61000-3-12:2011 EN 61000-3-3:2013 EN IEC 61000-3-11:2019	DE24J1ST 002 DE236L5D 002	TÜV Rheinland LGA Products GmbH
3.2	Radio:	--	--	--

Rationale for applied non-harmonised standards or other solutions:

- Standards are either in the EMC/LVD OJ, on CENELEC and ETSI 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.