



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	CS35650
Certificate Holder	Xiamen E-star Energy Co.,Ltd.
Address	5F, Liantai Bldg, No. 43 Huli Avenue, Xiamen, China
Manufacturer	Xiamen E-star Energy Co.,Ltd.
Address	5F, Liantai Bldg, No. 43 Huli Avenue, Xiamen, China
Product Type/Description	Grid Support Utility Interactive Inverter
Trade Name	HERF
Model Number	HERF-1800, HERF-1600, HERF-1200
Product Identification Element	HERF-1800, HERF-1600, HERF-1200

Applied / Complied Harmonized Standards	Complied	
RE Directive 2014/53/EU, Article 3(1)(a) ■ Safety	EN 62109-1:2010, IEC 62109-1:2010, EN 62109-2:2011, IEC 62109-2:2011	Y
RE Directive 2014/53/EU, Article 3(1)(a) ■ Health	EN 50663:2017, EN 62479:2010, IEC 62479:2010	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 IEC 61000-6-3:2021/ IEC 61000-6-3:2020 EN IEC 61000-6-4:2019/ IEC 61000-6-4:2018 EN IEC 61000-6-1:2019/ IEC 61000-6-1:2016 EN IEC 61000-6-2:2019/ IEC 61000-6-2:2016 EN IEC 61000-3-2:2019+A1:2021/ IEC 61000-3-2:2018+A1:2020 EN 61000-3-3:2013+A1:2019+A2:2021 IEC 61000-3-3:2013+A1:2017+A2:2021	Y
RE Directive 2014/53/EU, Article 3(2) ■ Radio	EN 300 440 V2.2.1*	Y
RE Directive 2014/53/EU, Article 3(3) ■ Certain categories	-	NA

*Note: This is a non-harmonized radio standard accepted by the RED (Radio Equipment Directive).

Authorized By: *Darren Shih*

Darren Shih, Senior Manager

Issue Date: February 15, 2023

Expiry Date: February 14, 2028

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


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Annex I of RED EU-TYPE Examination Certificate

Certificate Number: CS35650

Product Specifications	
Frequency Range	2403MHz, 2423MHz, 2440MHz, 2461MHz, 2475MHz (SRD)
RF Output Power (EIRP)	5.68 dBm
Type of Antenna	PCB+Wire Antenna
Modulation	GFSK
Mode of Operation (Simplex / Duplex)	Duplex
Duty Cycle	-
Comments	- All the models in this CE RED NB Certificate are identical in circuitry and electrical, mechanical and physical construction; the only difference are model No. for marketing purpose and output power de rated by software.

Technical Documentation Identification

Test Report	
RE Directive 2014/53/EU, Article 3(1)(a) ■ Health & Safety	CGRC-ESH-P22110203B-4 (Health), CGRC-ESH-P22110728-1, CGRC-ESH-P22110728-2 (Safety)
RE Directive 2014/53/EU, Article 3(1)(b) ■ EMC	CGRC-ESH-P22110203B-1, CGRC-ESH-P22110203B-2
RE Directive 2014/53/EU, Article 3(2) ■ Radio	CGRC-ESH-P22110203B-3
RE Directive 2014/53/EU, Article 3(3) ■ Certain categories	-
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"/>

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.

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