



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	CS36294
Certificate Holder	ALTENERGY POWER SYSTEM INC.
Address	Building 2, No. 522, Yatai Road, Nanhu District, Jiaxing City, Zhejiang 314050, China
Manufacturer	ALTENERGY POWER SYSTEM INC.
Address	Building 2, No. 522, Yatai Road, Nanhu District, Jiaxing City, Zhejiang 314050, China
Product Type/Description	Grid-tied Microinverter
Trade Name	APsystems
Model Number	DS3D-H, DS3D-H-EU, DS3D, DS3D-EU, DS3D-L, DS3D-L-EU, DS3D-SH, DS3D-SH-EU
Product Identification Element	DS3D-H, DS3D-H-EU, DS3D, DS3D-EU, DS3D-L, DS3D-L-EU, DS3D-SH, DS3D-SH-EU

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 62479:2010, EN 50663:2017	Y
RE Directive 2014/53/EU, Article 3(1)(b) ■ EMC	EN 301 489-1 V2.2.3, EN 301 489-17 V3.2.4 EN 62920:2017+A11:2020+A1:2021/ IEC 62920:2017+A1:2021 EN 55011:2016+A1:2017+A11:2020+A2:2021/ CISPR 11:2015 +A1:2016 +A2:2019 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 300 328 V2.2.2	Y
RE Directive 2014/53/EU, Article 3(3) ■ Certain categories	-	NA

Authorized By:

Darren Shih

Darren Shih, Senior Manager

Issue Date: December 26, 2023

Expiry Date: December 25, 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.
One Distribution Center Circle, Suite #1, Littleton, MA 01460
Tel: +1 978 486 8880

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


**BUREAU
VERITAS**

Annex I of RED EU-TYPE Examination Certificate

Certificate Number: CS36294

Product Specifications	
Frequency Range	2405-2480 MHz (Zigbee)
RF Output Power (EIRP)	9.87 dBm
Type of Antenna	External Antenna
Modulation	OQPSK
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 differences are the appearance and model No. for marketing purpose. - This revised RED TEC is to replace the previous version which was granted on December 14, 2023 to modify the version of EN 62920.

Technical Documentation Identification

Test Report	
RE Directive 2014/53/EU, Article 3(1)(a) ■ Health & Safety	ZEK-ESH-P23100782B-4 (Health) ZEK-ESH-P21123515-1-R1, ZEK-ESH-P21123515-2-R1 (Safety)
RE Directive 2014/53/EU, Article 3(1)(b) ■ EMC	ZEK-ESH-P23100782B-1, ZEK-ESH-P23100782B-2
RE Directive 2014/53/EU, Article 3(2) ■ Radio	ZEK-ESH-P23100782B-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.

Bureau Veritas Consumer Products Services, Inc.
One Distribution Center Circle, Suite #1, Littleton, MA 01460
Tel: +1 978 486 8880

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

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