



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	CS36866
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	Karspeldreef 8, 1101 CJ Amsterdam
Product Type/Description	Microinverter
Trade Name	APsystems
Model Number	DS3-H, DS3, DS3-M, DS3-S, DS3-L, DS3-L-SPE
Product Identification Element	DS3-H, DS3, DS3-M, DS3-S, DS3-L, DS3-L-SPE

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	Y
RE Directive 2014/53/EU, Article 3(1)(b) ■ EMC	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 EN 301 489-1 V2.2.3, EN 301 489-17 V3.2.4	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

*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: October 23, 2024

Expiry Date: October 22, 2029

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



Annex I of RED EU-TYPE Examination Certificate

Certificate Number: CS36866

Product Specifications	
Frequency Range	2405-2480MHz (Zigbee)
RF Output Power (EIRP)	9.87 dBm
Type of Antenna	External Antenna
Modulation	O-QPSK
Mode of Operation (Simplex / Duplex)	Duplex
Duty Cycle	-
Comments	- All the models in this CE RED NB Certificate are identical in hardware except maximum output power and number of ports. The wireless modules are exactly the same.

Technical Documentation Identification

Test Report	
RE Directive 2014/53/EU, Article 3(1)(a) ■ Health & Safety	Health: ZEK-ESH-P24091555B-4 Safety: ZEK-ESH-P21011135-1-R6, ZEK-ESH-P21011135-2-R6
RE Directive 2014/53/EU, Article 3(1)(b) ■ EMC	ZEK-ESH-P24091555B-1, ZEK-ESH-P24091555B-2
RE Directive 2014/53/EU, Article 3(2) ■ Radio	ZEK-ESH-P24091555B-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](#)