



# 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	CS33786
Certificate Holder	ALTENERGY POWER SYSTEM INC.
Address	No.1 Yatai Road, Jiaxing 314050 Zhejiang Province, P.R. China
Manufacturer	ALTENERGY POWER SYSTEM INC.
Address	No.1 Yatai Road, Jiaxing 314050 Zhejiang Province, P.R. China
Product Type/Description	Grid-tied Microinverter
Trade Name	APsystems
Model Number	DS3, DS3-H, DS3-L, DS3-L-SPE
Product Identification Element	DS3, DS3-H, DS3-L, DS3-L-SPE

Applied / Complied Harmonized Standards		Complied
RE Directive 2014/53/EU, Article 3(1)(a) ■ Safety	EN 62109-1:2010, EN 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 61000-6-3:2007+A1:2011, EN IEC 61000-6-4:2019 EN IEC 61000-6-1:2019, EN IEC 61000-6-2:2019 EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019 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

Authorized By:

*Darren Shih*

**Darren Shih, Senior Manager**

Issue Date: August 2, 2021

Expiry Date: August 1, 2026

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](mailto:bureauveritas@bureauveritas.com)


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## Annex I of RED EU-TYPE Examination Certificate

Certificate Number: CS33786

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	- The Zigbee part in all the models in this CE RED NB Certificate are identical in circuitry and electrical. - The models DS3-H, DS3, DS3-L are same as each other except maximum continuous output power. The model DS3-L-SPE is a single DC input with different maximum continuous output power.

### Technical Documentation Identification

Test Report	
RE Directive 2014/53/EU, Article 3(1)(a) ■ Health & Safety	ZEK-ESH-P21011200B-4 (Health), ZEK-ESH-P21011135-1, ZEK-ESH-P21011135-2 (Safety)
RE Directive 2014/53/EU, Article 3(1)(b) ■ EMC	ZEK-ESH-P21011200B-1, ZEK-ESH-P21011200B-2
RE Directive 2014/53/EU, Article 3(2) ■ Radio	ZEK-ESH-P21011200B-3
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"/>
Operational description	<input checked="" type="checkbox"/>
PCB Layout	<input checked="" type="checkbox"/>
Package	<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](#)