EU Declaration of Conformity

ADV/1/1/2024 for PV Link device

PV Lik is a universal controller dedicated to photovoltaic farms. The device performs the following functions:

1. Allows monitoring and control of the operation of the photovoltaic system in accordance with the SunSpec protocol, through the RS485 interface

2. Acts as an "integrator" by implementing the requirements contained in the Distribution Network Code (IRiESD) in the field of supervision of the operation of photovoltaic installations by the Distribution Network Operator (DSO)

The above-mentioned subject matter of this declaration is in conformity with the relevant requirements of Union harmonisation legislation:

1. Restriction of Hazardous Substances (RoHS) - Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment
2. Radio Equipment (RED) - Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC

The following harmonized standards and standards for which conformity is declared are used to assess conformity with the requirements:

1. **ETSI EN 300 328 V2.2.2:2019** - Broadband transmission systems - Data transmission equipment operating in the 2.4 GHz band - Harmonized standard for access to radio spectrum.
2. **ETSI EN 301 893 V2.1.1:2017** - RLANs operating in the 5 GHz band -- Harmonized standard to meet the essential requirements of Article 3.2 of Directive 2014/53/EU.
3. **ETSI EN 301 489-1 V2.2.3:2019** - Electromagnetic Compatibility (EMC) Standard for Radio Equipment and Systems -- Part 1: Common Technical Requirements -- Harmonized Standard for Electromagnetic Compatibility.
4. **ETSI EN 301 489-17 V3.1.1:2017** - Electromagnetic Compatibility (EMC) Standard for Radio Equipment and Systems - Part 17: Particular Requirements for Broadband Data Transmission Systems - Harmonized Standard to meet the essential requirements of Article 3.1(b) of Directive 2014/53/EU.
5. **IEC EN 62368-1:2018** - Audio/vision, information and telecommunications equipment - Part 1: Safety requirements.
6. **BS EN 62311:2008** - Evaluation of electronic and electrical equipment with respect to restrictions on exposure of the public in electromagnetic fields (0 Hz-300 GHz).
7. **IECEN 63000:2018** - Technical documentation for the evaluation of electrical and electronic products with respect to the restriction of hazardous substances.
8. **PN-EN 55032:2015-09/A11:2020-07**- Electromagnetic compatibility of multimedia devices -- Emission requirements.
9. **EN IEC 61000-3-2:2019-04**- Electromagnetic compatibility (EMC) -- Part 3-2: Permissible levels -- Permissible levels for current harmonic emission (≤ 16 A load supply phase current)
10. **PN-EN 61000-3-3:2013-10/A1:2019-10**- Electromagnetic compatibility (EMC) -- Part 3-3: Permissible levels -- Limitation of voltage variations, voltage fluctuations and flickering of light in low-

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voltage public power supply networks caused by loads with a phase current rating of < or = 16 A unconditionally connected.

11. **PN-EN 55035:2017-09/A11:2020-09**- Electromagnetic compatibility of multimedia devices -- Immunity requirements.
12. **PN-EN 61000-4-2:2009**- Electromagnetic compatibility (EMC) -- Part 4-2: Test and measurement methods -- Electrostatic discharge immunity test.
13. **PN-EN IEC 61000-4-3:2021-06** - Electromagnetic compatibility (EMC) -- Part 4-3: Test and measurement methods -- Immunity test to radiated radio frequency electromagnetic fields.
14. **PN-EN 61000-4-4:2013-05**- Electromagnetic compatibility (EMC) -- Part 4-4: Test and measurement methods -- Testing of immunity to a series of fast electrical transients.
15. **PN-EN 61000-4-5:2014-10/A1:2018-01** Electromagnetic compatibility (EMC) -- Part 4-5: Test and measurement methods -- Surge immunity test.
16. **PN-EN 61000-4-6:2014-04 -** Electromagnetic compatibility (EMC) -- Part 4-6: Test and measurement methods -- Immunity to conductive disturbances induced by radio frequency fields.
17. **PN-EN 61000-4-8:2010 -** Electromagnetic compatibility (EMC) -- Part 4-8: Test methods and measurements -- Testing of immunity to magnetic field at the frequency of the power grid
18. **EN IEC 61000-4-11:2020-11-** Electromagnetic compatibility (EMC) -- Part 4-11: Test and measurement methods -- Tests of immunity to voltage dips, short interruptions and voltage changes for equipment with a rated phase current not exceeding 16 A.

On behalf of the manufacturer, the declaration was signed by:

City, date	**Ceo:**
Gdansk, 10.01.2024	Aleksander Babś

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