

Conformity Declaration



REFU Elektronik GmbH
Marktstraße 185, 72793 Pfullingen / Germany

KoE-R-24002

This declaration of conformity is issued under the sole responsibility of the manufacturer.

The following electronic devices comply with the EC-directives and guidelines:

- Directive 2014/35/EU Electrical equipment designed for use within certain voltage limits
- Directive 2014/30/EU Electromagnetic compatibility directive
- Directive 2014/53/EU Radio equipment directive

| | | | |
|---|--|---|---|
| Type | Photovoltaic inverter REFU_{sol} 25K-3T (853P025.000) REFU_{sol} 33K-3T (853P033.000) REFU_{sol} 50K-4T (853P050.000) | | |
| Safety | | | |
| IEC 62109-1:2020 | Safety of power converters for use in photovoltaic power systems Part 1: General requirements | | |
| IEC 62109-2:2011 | Safety of power converters for use in photovoltaic power systems Part 2: Particular requirements for inverters | | |
| EMC – Compatibility - Immunity | | | |
| EN 61000-6-1:2016 | Part 6-1: Generic standards - Immunity standard for residential, commercial, and light-industrial environments | | |
| EN 61000-6-2:2005 | Part 6-2: Generic Standards – Immunity for industrial environments | | |
| EMC – Compatibility - Emission and Wideband transmission systems | | | |
| EN 61000-6-3:2007 | Part 6-3: Generic standards. Emission standard for residential, commercial, and light-industrial environments | | |
| EN 61000-6-4:2007 + A1:2011 | Part 6-4: Generic standards – Emission standard for industrial environments | | |
| EN 61000-3-12:2011 | Part 3-12: Limits – Limits for harmonic currents produced by equipment connected to public low voltage systems with input current between 16A and 75A per phase | | |
| EN 61000-3-11:2001 | Part 3-11: Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems; Equipment with rated current <= 75A and subject to conditional connection | | |
| EN 300 328 V2.1.1:2017 | Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques | | |
| EN 301 489-17 V3.1.1:2017 | Part 17: Specific conditions for Broadband Data Transmission Systems | | |
| EN 301 489-1 V2.1.1: 2017 | Part 1: Common technical requirements | | |
| Pfullingen | Valid from 27.03.2024 | i.A. | i.A. |
| Location | Date | Markus Feth Director Innovation, R&D REFU Elektronik GmbH | Kostas Kontogiannis Director Service REFU Elektronik GmbH |

We reserve the right to make changes in the conformity declaration. Presently applicable edition can be obtained upon request.