



**BUREAU
VERITAS**

Certificate of compliance

Applicant: **Steca Elektronik GmbH**
Mammostraße 1
87700 Memmingen
Germany

Product: **Grid-tied Photovoltaic (PV) inverter**

Model: **Turbo 1P**

Use in accordance with regulations:

Automatic disconnection device with single-phase mains surveillance in accordance with IEC 61727:2004 for photovoltaic systems with a single-phase parallel coupling via an inverter in the public mains supply. The automatic disconnection device is an integral part of the aforementioned inverters.

Applied rules and standards:

NRS 097-2-1:2010 ed1.0

Grid interconnection of embedded generation
Part 2: Small-scale embedded generation
Section 1: Utility interface

IEC 61727:2004 ed2.0

Photovoltaic (PV) systems – Characteristics of the utility interface

IEC 62116:2008 ed1.0

Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters

DIN V VDE V 0126-1-1:2006-02 (Functional safety)

Automatic disconnection device between a generator and parallel to the public low voltage network

Note: The inverters have single-phase mains surveillance and are not able to communicate with each other to detect an out-of bound voltage on any of the phases. According to NRS 097-2-1 an external three-phase mains surveillance unit is necessary for installations above 3kW to detect an out-of-bound voltage condition on any of the phases.

At the time of issue of this certificate the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

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Certification body

Dieter Zitzmann



Deutsche
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