



**BUREAU  
VERITAS**

# Certificate of compliance

**Applicant:** KACO new energy GmbH  
Carl-Zeiss-Straße 1  
74172 Neckarsulm  
Germany

**Product:** Photovoltaic (PV) inverter

**Model:** KACO blueplanet 50.0 TL3 M1 WM OD IIGM  
KACO blueplanet 50.0 TL3 M1 WM OD IIGB  
KACO blueplanet 50.0 TL3 M1 WM OD IIGX

## Use in accordance with regulations:

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

The tests provide compliance with following categories:

- (a) Category A: 0 - 1 MVA (Only LV connected RPPs)
  - (i) Category A1: 0 - 13.8 kVA
  - (ii) Category A2: 13.8 kVA - 100 kVA
  - (iii) Category A3: 100 kVA - 1 MVA

## Applied rules and standards:

### SAGC Version 2.8:2014

Grid connection code for renewable power plants (RPPs) connected to the electricity transmission system (TS) or the distribution system (DS) in South Africa

### 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

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  
Akkreditierungsstelle  
D-ZE-12024-01-00

Certification body of Bureau Veritas Consumer Products Services Germany GmbH  
Accredited according to DIN EN ISO/IEC 17065