



**BUREAU  
VERITAS**

# Certificate of compliance

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

**Product:** Photovoltaic (PV) inverter

**Model:** Powador 30.0 TL3  
Powador 33.0 TL3  
Powador 36.0 TL3  
Powador 39.0 TL3  
Powador 40.0 TL3  
Powador 48.0 TL3 Park

## 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.

## 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

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.

**Report number:** 10TH0307-NRS 097-2-1; 10TH0307-VDE0126-1-1;  
10TH0307-IEC61727; 10TH0307-IEC62116

**Certificate number:** U16-0422

**Date of issue:** 2016-07-15

## Certification body



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



**Additional models**

Extract from test report: N/A

Report Nr.: 10TH0307

**Model / Type**

Powador 30.0 TL3 - M - INT  
Powador 30.0 TL3 - XL - INT  
Powador 30.0 TL3 - XL - INT - SPD 1+2  
Powador 30.0 TL3 - XL - F - INT  
Powador 30.0 TL3 - XL - F - SPD 1+2  
  
Powador 33.0 TL3 - M - INT  
Powador 33.0 TL3 - XL - INT  
Powador 33.0 TL3 - XL - INT - SPD 1+2  
Powador 33.0 TL3 - XL - F - INT  
Powador 33.0 TL3 - XL - F - SPD 1+2  
  
Powador 36.0 TL3 - M - INT  
Powador 36.0 TL3 - M1  
Powador 36.0 TL3 - XL - INT  
Powador 36.0 TL3 - XL - INT - SPD 1+2  
Powador 36.0 TL3 - XL - F - INT  
Powador 36.0 TL3 - XL - F - SPD 1+2  
  
Powador 39.0 TL3 - M - INT  
Powador 39.0 TL3 - M1  
Powador 39.0 TL3 - XL - INT  
Powador 39.0 TL3 - XL - INT - SPD 1+2  
Powador 39.0 TL3 - XL - F - INT  
Powador 39.0 TL3 - XL - F - SPD 1+2  
Powador 39.0 TL3 - M - ZA  
  
Powador 40.0 TL3 - M - INT  
Powador 40.0 TL3 - XL - INT  
Powador 40.0 TL3 - XL - INT - SPD 1+2  
Powador 40.0 TL3 - XL - F - INT  
Powador 40.0 TL3 - XL - F - SPD 1+2  
  
Powador 48.0 TL3 - M - INT - Park  
Powador 48.0 TL3 - XL - INT - Park  
Powador 48.0 TL3 - XL - INT - SPD 1+2  
Powador 48.0 TL3 - XL - F - INT - Park  
Powador 48.0 TL3 - XL - F - SPD 1+2 - Park