



**BUREAU  
VERITAS**

# Certificate of compliance

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

**Product:** Automatic disconnection device between a generator and the public low-voltage grid

**Model:** Powador 3200, Powador 4200, Powador 4400,  
Powador 5300, Powador 5300 supreme,  
Powador 5500, Powador 6600

## Use in accordance with regulations:

Automatic disconnection device with single-phase mains surveillance in accordance with EN 50438:2007 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:

EN 50438:2007,  
Requirements for the connection of micro-generators in parallel with the public low-voltage distribution networks.

The following parameters according to EN 50438:2007 were applied. The inverter Powador 5300, Powador 5300 supreme, Powador 5500, Powador 6600 are designed for >16A per phase. However all requirements of the EN 50438:2007 are fulfilled.

### Default interface protection settings:

Under voltage limit:	195,5V
Upper voltage limit:	264,5V
Under frequency limit:	47,0Hz
Upper frequency limit:	51,0Hz

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:** 10TH0376-EN50438  
**Certificate number:** U17-0115  
**Date of issue:** 2017-03-15

**Certification body**



Heinz-Jürgen Zeiger



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