



**BUREAU
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Certification body of BV CPS GmbH
Accredited according to EN 45011 -
ISO / IEC Guide 65

Certificate of compliance

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

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

Model: Powador 6.0TL3 – INT - A, Powador 7.8TL3 – INT - A, Powador 9.0TL3 – INT - A, Powador 10.0TL3 – INT - A, Powador 12.0TL3 – INT, Powador 14.0TL3 – INT, Powador 18.0TL3 – INT, Powador 20.0TL3 – INT

Use in accordance with regulations:

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

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 14.0 TL3, Powador 18.0 TL3, Powador 20.0TL3 are designed for >16A per phase. However all requirements of the EN 50438:2007 are fulfilled.

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

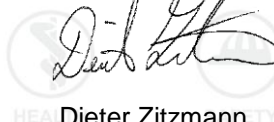
At the time of issue of this certificate the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Report number: 10TH0306-EN50438
Certificate number: U13-0751
Date of issue: 2013-10-16 **Valid until:** 2016-10-15

Certification body



QUALITY



HEALTH
Dieter Zitzmann



ENVIRONMENT



Deutsche
Akkreditierungsstelle
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SOCIAL
ACCOUNTABILITY