



**BUREAU  
VERITAS**

**Bureau Veritas  
Consumer Products Services  
Germany GmbH**

Businesspark A96  
86842 Türkheim  
Germany  
+ 49 (0) 40 740 41 – 0  
cps-tuerkheim@de.bureauveritas.com

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-Str. 1  
74172 Neckarsulm  
Germany

**Product:** Solar Inverter

**Model:** 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:

The inverters are tested for specified environmental influences and efficiency. For detailed information, please see the corresponding test report.

### Applied rules and standards:

IEC 61727:(2004-12) Ed. 2.0 – Photovoltaic (PV) systems - Characteristics of the utility interface  
IEC 62116:(2008-09) Ed. 1.0 – Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters  
IEC 62109-1:(2010-04) Ed. 1.0 – Safety of power converters for use in photovoltaic power systems – Part 1 General requirements  
IEC 62109-2:(2011-06) Ed. 1.0 – Safety of power converters for use in photovoltaic power systems – Part 2 Particular requirements for inverters  
IEC 60068-2-1:2007 Environmental testing – Part 2-1: Tests – Test A: Cold  
IEC 60068-2-2:2007 Environmental testing – Part 2-2: Tests – Test B: Dry heat  
IEC 60068-2-14:2009 Environmental testing – Part 2-14: Tests – Test N: Change of temperature  
IEC 60068-2-30:2005 Environmental testing – Part 2-30: Tests – Test Db: Damp heat, cyclic (12h + 12h cycle)  
IEC 60068-2-75:1997 Environmental testing – Part 2: Tests; test Eh: Hammer tests (IEC 62262:2002 – IK code)

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

**Report number:** 10TH0306-60068  
**Certificate number:** U14-0191  
**Date of issue:** 2014-03-24

### Certification body

Dieter Zitzmann



QUALITY



HEALTH



SAFETY



ENVIRONMENT



SOCIAL  
ACCOUNTABILITY