Certificate of compliance

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

Product: **Photovoltaic 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
KACO blueplanet 50.0 TL3 M1 WM OD FRGX

Use in accordance with regulations:

The inverters are tested for functional safety, grid protection, specified environmental influences and efficiency. For detailed information, please watch the corresponding test reports.

Applied rules and standards:

IEC 61727:2004	Characteristics of the utility interface
IEC 62116:2014	Islanding prevention measures for utility-interconnected photovoltaic inverters.
IEC 62109-1:2010	Safety of power converters for use in photovoltaic power systems
IEC 62109-2:2011	Safety of power converters for use in photovoltaic power systems
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 + 12 h cycle)
IEC 60068-2-75:1997	Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests (IEC 62262:2002 – IK code)
IEC 61683:1999	Photovoltaic systems – Power conditioners – Procedure for measuring efficiency
EN 60529	Degree of protection provided by enclosure (IP Code: 65) Protection against IP6X according to EN 60529, sub-cl. 13.4 and 13.6 Protection against IPX5 according to EN 60529, sub-cl. 14.2.5

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: **15TH0250-India_1**
Certificate number: **U17-0473**
Date of issue: **2017-09-07**

Certification body

Holger Schaffer

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

BUREAU VERITAS
Consumer Products Services Germany GmbH

Thurn-und-Taxis-Straße 18, 90411 Nürnberg, Germany
Phone: + 49 40 74041-0

cps-nuernberg@de.bureauveritas.com
www.bureauveritas.de/cps