



**BUREAU
VERITAS**

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: KACO blueplanet gs 50.0 TL3-S B1 WM OD IIGL
KACO blueplanet gs 50.0 TL3-S B1 WM OD IIGX
KACO blueplanet gs 50.0 TL3-S B1 WM OD IIGB
KACO blueplanet gs 50.0 TL3-S B1 WM OD IIGM

Use in accordance with regulations:

Automatic disconnection device with three-phase mains surveillance in accordance with ÖVE/ÖNORM E 8001-4-712, ÖVE/ÖNORM E 8001-4-712/A1, ÖVE/ÖNORM E 8001-4-712/A2 and deviations according to TOR D4 for battery inverter 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 inverter. This serves as a replacement for the disconnection device with insulating function which the distribution network provider can access at any time.

Applied rules and standards:

ÖVE/ÖNORM E 8001-4-712:2009-12

Installation of electrical systems with rated voltages up to 1000V AC and DC 1500V - Part 4-712: Photovoltaic power generation equipment - installation and safety requirements

ÖVE/ÖNORM E 8001-4-712:2014-05, Änderung 1

Installation of electrical systems with rated voltages up to 1000V AC and DC 1500V - Part 4-712: Photovoltaic Power Generation - Installation and Safety Requirements, Amendment 1

ÖVE/ÖNORM E 8001-4-712:2016-11, Änderung 2

Installation of electrical systems with rated voltages up to 1000V AC and DC 1500V - Part 4-712: Photovoltaic Power Generation - Installation and Safety Requirements, Amendment 2

TOR D4 Version 2.3:2016-07

Technical and organizational rules for operators and users of networks

Part D: Special technical rules

Main section D4: Parallel operation of generation plants with distribution networks

The battery inverters fulfill the requirements for the automatic reactive power exchange according to a characteristic $Q = f(U)$ according to the test specification B.1.2.6 of CEI 0-21.

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: 18TH0378-TORD4_0
Certificate number: U19-0443

Certification Program: NSOP-0032-DEU-ZE-V01
Datum: 2019-07-29



Certification body

Holger Schaffer

Certification body Bureau Veritas Consumer Products Services Germany GmbH accredited according to DIN EN ISO/IEC 17065
A partial representation of the certificate requires the written approval of Bureau Veritas Consumer Products Services Germany GmbH