Product Certificate Number	**21749-3-CER**
Applicant	KACO new energy GmbH Werner-von-Siemens-Allee 1 74172 Neckarsulm, Germany
Series	KACO blueplanet gridsave
Models	See page 2
Firmware version	V03.52
Type of generation unit	Grid-tied battery inverter
Technical Data	See pages 3 - 5
VDE application guide	**VDE-AR-N 4105, 2018-11.** Generators connected to the low-voltage distribution network –Technical requirements for the connection to and parallel operation with low-voltage distribution networks.

Having assessed the test report numbers: 21749-1-TR, 21749-2-TR and 21748-2-TR performed by CERE based on the requirements of the EN ISO/IEC 17025:2017

The above-mentioned generating unit complies with the requirements of the:

VDE-AR-N 4105, 2018-11. Generators connected to the low-voltage distribution network –Technical requirements for the connection to and parallel operation with low-voltage distribution networks.

This certification is according to the CERE internal process PET-CERE-29 Rev 5 that defines the certification scheme based on the requirements of the EN ISO/IEC 17065:2012. For this certification process the conformity assessment activities were based on:

- Testing of production samples selected by CERE.
- Audit of quality system according to ISO 9001 with certificate number: 2020-0109492-00 issued by a certification body accredited according EN ISO/IEC 17021.
- Inspection of the manufacturing process.

Madrid, February 21, 2023. This certificate is valid until February 21, 2028.

Miguel Martínez
Certification Director

Models:

blueplanet gs 92.0 TL3-S B1 WM OD IIGM
blueplanet gs 92.0 TL3-S B1 WM OD IIGL
blueplanet gs 92.0 TL3-S B1 WM OD IIGX
blueplanet gs 110 TL3-S B1 WM OD IIKM
blueplanet gs 110 TL3-S B1 WM OD IIKL
blueplanet gs 110 TL3-S B1 WM OD IIKX
blueplanet gs 137 TL3-S B1 WM OD IIPM
blueplanet gs 137 TL3-S B1 WM OD IIPL
blueplanet gs 137 TL3-S B1 WM OD IIPX

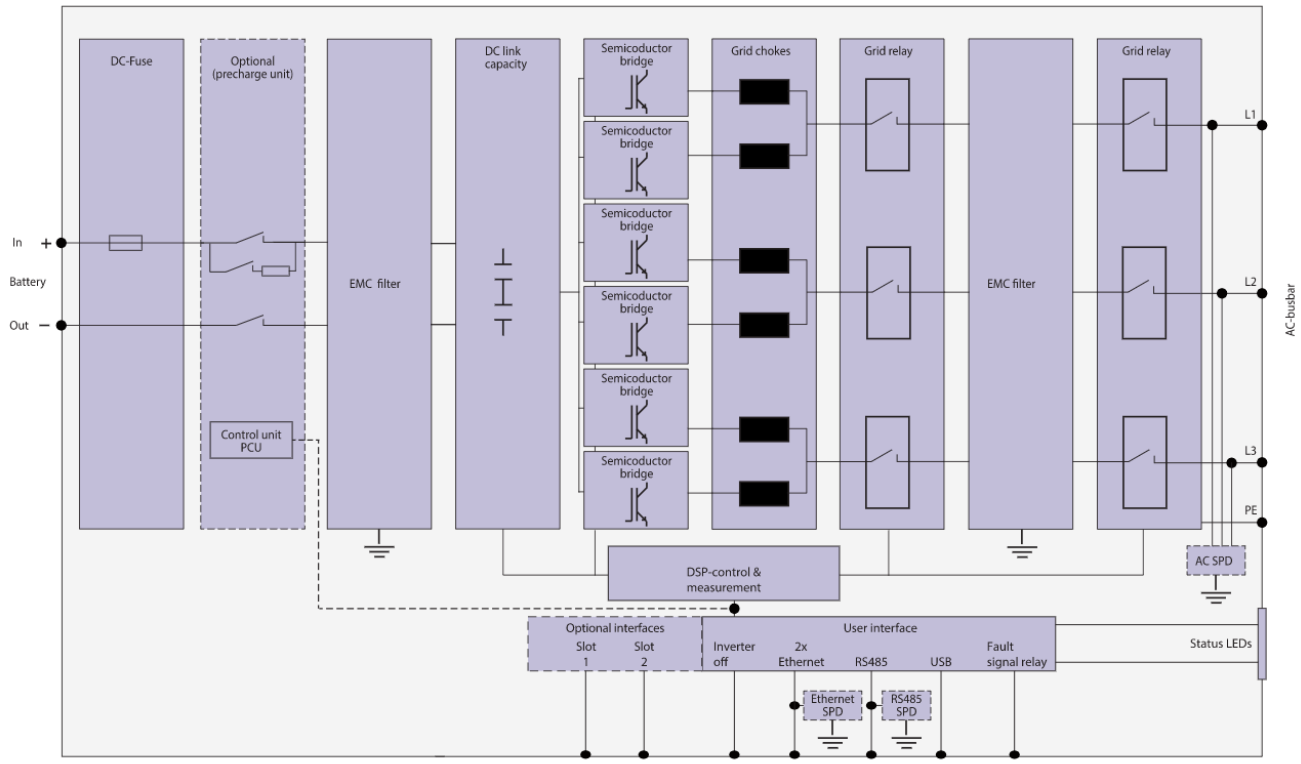
Technical data

KACO blueplanet	
	blueplanet gs 92.0 TL3-S B1 WM OD IIGM **blueplanet gs 92.0 TL3-S B1 WM OD IIGL** **blueplanet gs 92.0 TL3-S B1 WM OD IIGX**
DC INPUT DATA	
Voltage range	668-1315 V
Max. input current	145 A
Max. short circuit current $I_{sc\ max}$	300 A
Number of DC inputs	1
AC OUTPUT DATA	
Rated output	92 000 VA
Max. power	92 000 VA
Line voltage	400 V (3P+PE)
Voltage range: continuous operation	300 V - 580 V
Rated frequency (range)	50 Hz / 60 Hz (45 Hz – 65 Hz)
Rated current	3 x 132,3 A
Max. current	3 x 132,3 A
Reactive power / cos phi	0 – 100 % Snom / 0.3 ind. – 1 ind/cap
Max. total harmonic distortion (THD)	< 3 %
Number of grid phases	3
GENERAL DATA	
Operation mode	Grid dependent (charge/discharge)
Standby consumption	<8/ <14 with PCU
Circuitry topology	transformerless
MECHANICAL DATA	
Display	LEDs
Control units	Buttons / webserver
Humidity	0 – 100 %

KACO blueplanet	
	blueplanet gs 110 TL3-S B1 WM OD IIKM **blueplanet gs 110 TL3-S B1 WM OD IIKL** **blueplanet gs 110 TL3-S B1 WM OD IIKX**
DC INPUT DATA	
Voltage range	801-1315 V
Max. input current	145 A
Max. short circuit current $I_{sc\ max}$	300 A
Number of DC inputs	1
AC OUTPUT DATA	
Rated output	110 000 VA
Max. power	110 000 VA
Line voltage	480 V (3P+PE)
Voltage range: continuous operation	300 V - 580 V
Rated frequency (range)	50 Hz / 60 Hz (45 Hz – 65 Hz)
Rated current	3 x 132,3 A
Max. current	3 x 132,3 A
Reactive power / cos phi	0 – 100 % Snom / 0.3-1 ind/cap
Max. total harmonic distortion (THD)	< 3 %
Number of grid phases	3
GENERAL DATA	
Operation mode	Grid dependent (charge/discharge)
Standby consumption	<8/ <14 with PCU
Circuitry topology	transformerless
MECHANICAL DATA	
Display	LEDs
Control units	Buttons / webserver
Humidity	0 – 100 %

KACO blueplanet	
	blueplanet gs 137 TL3-S B1 WM OD IIPM **blueplanet gs 137 TL3-S B1 WM OD IIPL** **blueplanet gs 137 TL3-S B1 WM OD IIPX**
DC INPUT DATA	
Voltage range	1002-1315 V
Max. input current	145 A
Max. short circuit current $I_{sc\ max}$	300 A
Number of DC inputs	1
AC OUTPUT DATA	
Rated output	137 000 VA
Max. power	137 000 VA
Line voltage	600 V (3P+PE)
Voltage range: continuous operation	480 V - 760 V
Rated frequency (range)	50 Hz / 60 Hz (45 Hz – 65 Hz)
Rated current	3 x 132,3 A
Max. current	3 x 132,3 A
Reactive power / cos phi	0 – 100 % Snom / 0.3 -1 ind/cap
Max. total harmonic distortion (THD)	< 3 %
Number of grid phases	3
GENERAL DATA	
Operation mode	Grid dependent (charge/discharge)
Standby consumption	<8/ <14 with PCU
Circuitry topology	transformerless
MECHANICAL DATA	
Display	LEDs
Control units	Buttons / webserver
Humidity	0 – 100 %

Electrical Diagram of KACO blueplanet gridsave



The sample selected to test was representative of the production. The sample was selected in:

KACO new energy GmbH
Werner-von-Siemens Allee 1.
74172 Neckarsulm, Germany

Sample Report Number:

21748-TM
21749-TM

The inspection of manufacturing process was performed in:
On December 13, 2022

KACO new energy GmbH
Werner-von-Siemens Allee 1 / Werk 5
74172 Neckarsulm, Germany

Inspection Report Number:

60029-22-1-IF

RECORD OF CHANGES

Revision	Reason of the modification	Modification	Date
0	Initial version		21/02/2023