



CERTIFICATE

Applicant: **Victron Energy B.V.**
De Paal 35
1351 JG Almere
Netherlands

Product: **Battery Storage System with an integrated Inverter with integrated automatic disconnection device between a generator and the public low-voltage grid**

Model:	MultiPlus-II 48/3000/35-32	MultiPlus-II 48/5000/70-50
	MultiPlus-II 48/3000/35-32 GX	MultiPlus-II 48/5000/70-50 GX

Rating:		
DC charge	48VDCnom., 35Amax	48VDCnom., 70Amax
DC discharge	48VDCnom., 75Amax	48VDCnom., 120Amax
AC charge	187-250V, 16Amax, 50/60Hz, 1Ph+N+PE	187-250V, 18Amax, 50/60Hz, 1Ph+N+PE
AC discharge	230V, 11Amax, 50/60Hz, 1Ph+N+PE	230V, 19Amax, 50/60Hz, 1Ph+N+PE
Pass through current	32A	50A
Output power (Feed in On-Grid)	2,5kVA / 2,47kW	4,5kVA / 4,4kW
Output power (Off-Grid)	3,0kVA / 2,4kW	5,0kVA / 4,0kW

Intended use:

Photovoltaic inverter in accordance with EN 50549-1:2019 with single-phase parallel coupling to the distribution network. The automatic disconnection device is an integral part of the aforementioned inverter.

Applied standards and guidelines:

SOP-9-1_13 GCC Certification Program, 06/19

Based on:

EN 50549-1:2019

Requirements for generating plants to be connected in parallel with distribution networks
Part 1: Connection to a LV distribution network –
Generating plants up to and including Type B

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.

Limitation:

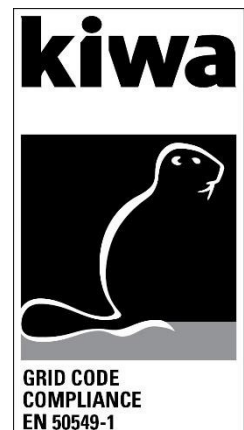
- Voltage related active power reduction is not implemented.
- UVRT capability is not implemented.
- The undervoltage threshold stage 1 [27<] and undervoltage threshold stage 2 [27<<] are adjustable between 0,78Un and 1,00Un with 0,0025Un steps.

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Kiwa Primara GmbH
Gewerbestraße 28
87600 Kaufbeuren
Germany
Tel. +49 8341 99726-0
info@primara.net
www.kiwa.de



Tanja Rottach
Certification Engineer