

Certificate of Conformity

By the product certificate number:

No. 2620/0019-D-CER

Issued to

License holder: **Victron Energy B. V.**
De Paal 35, 1351 JG Almere – Netherlands

Trademark:



Contract number: **801264**

It is certified that the product:

Type of generator: **Inverter / charger with UPS functionality.**
- **AC (grid): 2 inputs and 2 outputs.**
- **DC (batteries): 1 input and 1 output.**

Family: **Quattro**

Models:	48/15000/200-100/100	48/10000/140-100/100	48/8000/110-100/100
Technical Data:			
Rated AC Power	15 kVA / 12 kW	10 kVA / 8 kW	8 kVA / 6.5 kW
Rated AC Voltage	230 Vac	230 Vac	230 Vac
Rated AC Frequency	50 Hz	50 Hz	50 Hz
DC Current (IN / OUT)	200 A / 350 A	140 A / 235 A	100 A / 188 A
DC Voltage (IN / OUT)	48 Vdc	48 Vdc	48 Vdc
Firmware version	2656487	2653487	2655487
Number of phases	Single Phase	Single Phase	Single Phase
Isolation transformer	Yes	Yes	Yes

Is in compliance with the regulation:

- **TOR Erzeuger:** Anschluss und Parallelbetrieb von Stromerzeugungsanlagen des Typs A und von Kleinsterzeugungsanlagen. Version 1.1 (12/12/2019).

Note: In order to comply with the protective functions and devices requirements stated in point 6.3 of the certified standard, the above-mentioned generating units must be installed together with an external protection relay approved according to TOR Erzeuger Type A:2019-12.

For that purpose, it is installed the Voltage and Frequency Relay manufactured by **Ziell, model UFR1001E**, which is approved according to TOR Erzeuger Type A:2019-12.

This certificate is based upon the test results of the Test Report nº 2220-0019-D. The testing process has been carried out according the SGS internal procedure PE.T-LE-62 based on the requirements of the UNE-EN ISO / IEC 17025. The above-mentioned generating unit is certified according to the SGS internal process no. 4 based on the requirements of the UNE-EN ISO/IEC 17065. First issued on: 24th September 2021. This certificate is valid until: 24th September 2024.

Madrid, 24th September 2021

Daniel Arranz Muñiz
Certification Manager

