

THE NETHERLANDS
(N E D E R L A N D)

COMMUNICATION

Concerning⁽¹⁾:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of ~~electrical~~/electronic sub-assembly⁽¹⁾ with regard to Regulation number 10.**Approval number: E4*10R05/01*4188*00**

1. Make (trade name of manufacturer) : Victron Energy
2. Type and general commercial description(s) : Phoenix Inverter 12/800 230V VE.Direct
Phoenix Inverter 24/1200 230V VE.Direct
Phoenix Inverter 48/1200 230V VE.Direct
3. Means of identification of type, if marked on the ~~vehicle~~/component/
~~separate technical unit~~⁽¹⁾ : Screenprinted
- 3.1. Location of that marking : On the top cover
4. Category of vehicle : All
5. Name and address of manufacturer : Victron Energy B.V.
De Paal 35
1351 JG Almere
The Netherlands
6. In the case of components and separate technical units, location and method of affixing of the approval mark : Sreenprinted on the top cover

Approval number: E4*10R05/01*4188*00

7. Address(es) of assembly plant(s)
8. Additional information (where applicable) : see Appendix below
9. Technical service responsible for carrying out the tests : DARE!! Measurements
Vijzelmolenlaan 7
3447 GX Woerden
The Netherlands
10. Date of test report : 2018 July, 16
11. Number of test report : 17C01435RPT01
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 25-SEP-2018
15. Signature :


P. van Tol



16. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.
17. Reasons for extension : --

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*4188*00

concerning the type-approval of an ~~electrical~~/electronic sub-assembly⁽¹⁾ under Regulation number 10.

1. Additional information : The design and PCB of the 12/800, 24/1200 and 48/1200 variants are identical.
The design and PCB of all three input voltage variants are identical, except the maximum voltage rating of the used mosfets and electrolytic capacitors, but it is very unlikely that it will affect the behavior of the EUT.
The EUT is not immunity related.

As representative the Phoenix Inverter 48/1200 230V VE.Direct has been tested under reference number 17C01435RPT01
- 1.1. Electrical system rated voltage : 12V, 24V, 48Vdc 230Vac, NA ground⁽¹⁾
- 1.2. This ESA can be used on any vehicle type with the following restrictions : Not applicable
- 1.2.1. Installation conditions, if any : Not applicable
- 1.3. This ESA can be used only on the following vehicle types : All
- 1.3.1. Installation conditions, if any : Not applicable
- 1.4. The specific test method(s) used and the frequency ranges covered to determine immunity were : Radiated immunity, 200 MHz – 2 GHz
Bulk current injection (BCI), 20 – 200 MHz
Electrical disturbance test on voltage supply lines
- 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests : DARE!! Measurements
2. Remarks : Documents:
Certificate
Type approval mark example
Annex 2B
Report
Schematic and PCB SWL 800-12V
Schematic and PCB FAN 24V&48V
Schematic and PCB Main 24V&48V
BOM 12V&24V&48V

⁽¹⁾ Strike out what does not apply.

