

THE NETHERLANDS  
(NEDERLAND)

## COMMUNICATION

Concerning<sup>(1)</sup>:

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- ~~approval withdrawn~~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



of a type of ~~electrical~~/electronic sub-assembly<sup>(1)</sup> with regard to Regulation number 10.**Approval number: E4-10R-053813****Extension number: 00**

1. Make (trade name of manufacturer) : Victron Energy
2. Type and general commercial description(s) : Phoenix Inverter 12/250 230V VE.Direct,  
Phoenix Inverter 12/375 230V VE.Direct,  
Phoenix Inverter 12/500 230V VE.Direct,  
Phoenix Inverter 24/250 230V VE.Direct,  
Phoenix Inverter 24/375 230V VE.Direct,  
Phoenix Inverter 24/500 230V VE.Direct
3. Means of identification of type, if marked on the ~~vehicle~~/component/  
~~separate technical unit~~<sup>(1)</sup> : 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 : Screenprinted on top cover.



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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
10. Date of test report : 2017 March, 14  
2017 March, 14
11. Number of test report : 17C00201RPT01  
17C00231RPT01
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 17-APR-2017
15. Signature :   
  
L. Vellekoop
16. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.
17. Reasons for extension : --

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<sup>(1)</sup> Strike out what does not apply.

## APPENDIX

to type-approval communication form number: E4-10R-053813, Extension number: 00

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

1. Additional information : Phoenix inverter family with the input voltage levels of 12V and 24V, both with 3 output power classes:250VA, 375VA and 500VA.  
The design and PCB of the 250VA and 375VA variants are identical, the 500VA version is slightly different. The design and PCB of all 3 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 tested variants are:  
12V 375VA, 17C00201RPT01;  
12V 500VA, 17C00231RPT01.
- 1.1. Electrical system rated voltage : 12, 24Vdc 230Vac, NA ground(1)
- 1.2. This ESA can be used on any vehicle type with the following restrictions : NA
- 1.2.1. Installation conditions, if any : NA
- 1.3. This ESA can be used only on the following vehicle types : All
- 1.3.1. Installation conditions, if any : NA
- 1.4. The specific test method(s) used and the frequency ranges covered to determine immunity were : Bulk Current Injection (BCI), 20 – 200 MHz  
Radiated Immunity, 200 MHz – 2 GHz  
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 : --

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<sup>(1)</sup> Strike out what does not apply.

