



THE NETHERLANDS

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- ~~approval withdrawn~~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*10R06/02*4723*01**

1. Make (trade name of manufacturer) : Victron Energy B.V.
2. Type and general commercial description(s) : ORION-Tr Smart ???/?-??A (??0W) Non-isolated DC-DC charger
3. Means of identification of type, if marked on the ~~vehicle~~/component/ separate technical unit ⁽¹⁾ :
 - Orion-Tr Smart 12/12-30A (360W) Non-isolated DC-DC charger
 - Orion-Tr Smart 12/24-15A (360W) Non-isolated DC-DC charger
 - Orion-Tr Smart 24/12-30A (360W) Non-isolated DC-DC charger
 - Orion-Tr Smart 24/24-17A (400W) Non-isolated DC-DC charger
- 3.1. Location of that marking : Label at right side of the housing
4. Category of vehicle : N.A.
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 : Screen Printing on front side
7. Address(es) of assembly plant(s) :
8. Additional information (where applicable) : see Appendix below



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9. Technical service responsible for carrying out the tests : Kiwa Dare B.V.
Vijzelmolenlaan 7
3447 GX Woerden
The Netherlands
10. Date of test report : 20240143.001RPT01
11. Number of test report : 2024 July, 02
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 17 sept 2024
15. Signature : 
Uwe Löbig 
16. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.
17. Reasons for extension : Update to the latest revision and amendment of the standard and also changes made in the BOM list

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R06/02*4723*01

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

1. Additional information : N.A.
- 1.1. Electrical system rated voltage : 12 or 24 VDC V pos./neg. ground⁽¹⁾
- 1.2. This ESA can be used on any vehicle type with the following restrictions : None
 - 1.2.1. Installation conditions, if any : N.A.
- 1.3. This ESA can be used only on the following vehicle types : All
 - 1.3.1. Installation conditions, if any : N.A.
- 1.4. The specific test method(s) used and the frequency ranges covered to determine immunity were : Electrical disturbance test on voltage supply lines (ESA is Not Immunity Related and therefore BCI and Radiated Immunity tests are not applicable)
- 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests : Kiwa Dare B.V.
2. Remarks : Documentation:
Certificate
Type approval mark example
Annex 2B
Schematic
PCB
BOM
Test report 20240143.001RPT01
Statement for application

⁽¹⁾ Strike out what does not apply.

