

**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- ~~approval withdrawn~~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*10R06/01*4722*00

1. Make (trade name of manufacturer) : Victron Energy B.V.
2. Type and general commercial description(s) : ORION-Tr ????? ?/?-??A (??0W) Isolated DC-DC ??????????
3. Means of identification of type, if marked on the vehicle/component/ separate technical unit ⁽¹⁾
 - ORION-Tr 12/12-30A (360W) Isolated DC-DC converter
 - ORION-Tr 12/24-15A (360W) Isolated DC-DC converter
 - ORION-Tr 24/12-30A (360W) Isolated DC-DC converter
 - ORION-Tr 24/24-17A (400W) Isolated DC-DC converter
 - ORION-Tr 24/48-8.5A (400W) Isolated DC-DC converter
 - ORION-Tr Smart 12/12-30A (360W) Isolated DC-DC charger
 - ORION-Tr Smart 12/24-15A (360W) Isolated DC-DC charger
 - ORION-Tr Smart 24/12-30A (360W) Isolated DC-DC charger
 - ORION-Tr Smart 24/24-17A (400W) Isolated DC-DC charger
- 3.1. Location of that marking : Label at right side of the housing
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 : Screen Printing on Front side

Approval number: E4*10R06/01*4722*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 : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
10. Date of test report : 18-02-2021 and 23-03-2021
11. Number of test report : 20120205.a01 and 20120205.a02
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 12 April 2021
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 : NA

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R06/01*4722*00

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

1. Additional information : NA
- 1.1. Electrical system rated voltage : 12V or 24V ~~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 : 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 : ESA is Not Safety Related. Radiated Immunity Tests not applicable.
- 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
The Netherlands
2. Remarks : Valid for left-hand drive and right hand drive vehicles.
Attached to this Type Approval:
Application form.
1 Annex 2B form.
1 Statement manufacturer and authorization regarding application form.
1 EMC Test report.
Photo's.
BOM's.
Schematic Diagrams.
PCB Layouts.
Declaration of equality

⁽¹⁾ Strike out what does not apply.

