

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

## 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- ~~- approval withdrawn~~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\*10R06/01\*4003\*01**

1. Make (trade name of manufacturer) : Victron Energy B.V.
2. Type and general commercial description(s) : Battery Management System, type VE.BUS BMS
3. Means of identification of type, if marked on the ~~vehicle~~/component/  
separate technical unit<sup>(1)</sup> : VE.BUS BMS
- 3.1. Location of that marking : 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 : Screen print on Front side of enclosure
7. Address(es) of assembly plant(s) :
8. Additional information (where applicable) : see Appendix below



**Approval number: E4\*10R06/01\*4003\*01**

9. Technical service responsible for carrying out the tests : TÜV Rheinland Nederland B.V.  
: Eiberkamp 10  
: 9351 VT Leek  
: The Netherlands
10. Date of test report : 08-09-2022
11. Number of test report : NL22CI78 001
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 30 November 2022
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 : Design and documentation update including update to ECE revision 10R-06. Update for Electrical system rated voltage (added 24V), no technical changes.

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

## APPENDIX

### to type-approval communication form number: E4\*10R06/01\*4003\*01

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

1. Additional information :
- 1.1. Electrical system rated voltage : 12/24 V ... ~~pos./neg.~~ ground<sup>(1)</sup>
- 1.2. This ESA can be used on any vehicle type with the following restrictions : None
  - 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 : 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  
Statement manufacturer and authorization regarding application  
1 EMC COP Testreport  
Photo  
BOM  
Schematic Diagram

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

