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- approval withdrawn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*4161*00**

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Make (trade name of manufacturer)</td>
</tr>
<tr>
<td>2.</td>
<td>Type and general commercial description(s)</td>
</tr>
<tr>
<td>3.</td>
<td>Means of identification of type, if marked on the vehicle/component/ separate technical unit(^{(1)})</td>
</tr>
<tr>
<td>3.1.</td>
<td>Location of that marking</td>
</tr>
<tr>
<td>4.</td>
<td>Category of vehicle</td>
</tr>
</tbody>
</table>
| 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 | : Rear side Product |
| 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
    The Netherlands

10. Date of test report: July 27, 2018

11. Number of test report: 18041603.a01

12. Remarks (if any): see Appendix

13. Place: Zoetermeer

14. Date: 19-SEP-2018

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: Not applicable

(1) Strike out what does not apply.
APPENDIX

to type-approval communication form number: E4*10R05/01*4161*00, Extension number:

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

1. Additional information: 
1.1. Electrical system rated voltage: 12/24 V DC pos–neg. ground
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: See Installation Manual, attached
1.4. The specific test method(s) used and the frequency ranges covered to determine immunity were: ESA Not Safety Related. 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: 
Attached to this Type Approval:
Application form
1 Annex 2B form
1 EMC Testreport
1 Manual
Photo’s
BOM’s
Schematic Diagrams
PCB Layouts

(1) Strike out what does not apply.