Concerning (1):
- approval granted
- approval extended
- approval refused
- approval withdrawn
- production definitely discontinued

of a type of electrical/electronic sub-assembly (3) with regard to Regulation number 10.

Approval number: E4*10R05/01*4362*01

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Make (trade name of manufacturer) : Victron Energy B.V.</td>
</tr>
<tr>
<td>2.</td>
<td>Type and general commercial description(s) : ???Solar MPPT ???/??</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>- SmartSolar MPPT 100/50</td>
</tr>
<tr>
<td>3.1.</td>
<td>- SmartSolar MPPT 150/35</td>
</tr>
<tr>
<td>3.1.</td>
<td>- BlueSolar MPPT 100/50</td>
</tr>
<tr>
<td>3.1.</td>
<td>- BlueSolar MPPT 150/35</td>
</tr>
<tr>
<td>3.1.</td>
<td>Location of that marking : Top Side of housing of Product</td>
</tr>
<tr>
<td>4.</td>
<td>Category of vehicle : All</td>
</tr>
<tr>
<td>5.</td>
<td>Name and address of manufacturer : Victron Energy B.V. De Paal 35 1351 JG Almere The Netherlands</td>
</tr>
<tr>
<td>6.</td>
<td>In the case of components and separate technical units, location and method of affixing of the approval mark : Screen printing on Top Side of housing of Product</td>
</tr>
</tbody>
</table>

Type-approval Department
Approval number: E4*10R05/01*4362*01

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 : 11-03-2021

11. Number of test reports : 19050303.A01.Rev02

12. Remarks (if any) : see Appendix

13. Place : Zoetermeer

14. Date : 15 March 2021

15. Signature :

16. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.

17. Reasons for extension : Adding same types but without Bluetooth

---

(1) Strike out what does not apply.
## APPENDIX

### to type-approval communication form number: E4*10R05*01*4362*01

Concerning the type-approval of an electrical/electronic sub-assembly\(^{(1)}\) under Regulation number 10.

1. **Additional information**: ---

1.1. **Electrical system rated voltage**: 12 V or 24 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**: 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  
1 EMC Testreport  
Photo's  
BOM's  
Schematic Diagrams  
PCB Layouts

\(^{(1)}\) Strike out what does not apply.