

# **Victron Energy B.V.**

Almere Haven

The quality management system of **Victron Energy B.V.** and the application thereof complies with the requirements as stipulated in the standard:

**NEN-EN-ISO 9001:2015**

Evaluation of the quality management system took place in accordance with TÜV Nederland's certification regulations for the field of application:

**Development, delivery and repair of chargers, inverters, converters,  
and electrical devices.**

This certification is subject to annual evaluation by TÜV Nederland.

Registration number: 24574/2.2  
Start date certificate: 16-07-2018  
Certificate valid until: 06-07-2021  
Date of first certificate: 06-07-2015  
Date audit: 05-04-2018  
Previous certificate valid until: 06-07-2018

Managing Director  
Mr. E.W.A.C. Franken







A P P R O V A L S ®

## Certificate of Approval

\* Addendum \*

**Certificate No.:** SAA-160401-EA

**Date of Issue:** 9 July 2018

**Class Description:** Power Supply or Charger

**Product Description:** Battery Charger

**General Modification:**

Updated to comply with AS/NZS 60335.1:2011 Inc A1-3.

Addition of bluetooth feature.

**Additional Models**

Blue Smart IP67 Charger 12/7 (1) AU/NZ

Blue Smart IP67 Charger 12/17 (1) AU/NZ

Blue Smart IP67 Charger 12/25 (1) AU/NZ

Blue Smart IP67 Charger 24/12 (1) AU/NZ

**Description**

Similar to BPC120708016 Blue Power IP67 Charger 12/7(1), except for additional bluetooth feature.

Similar to BPC121708016 Blue Power IP67 Charger 12/17(1), except for additional bluetooth feature.

Similar to BPC122511016 Blue Power IP67 Charger 12/25(1), except for additional bluetooth feature.

Similar to BPC241211016 Blue Power IP67 Charger 24/12(1), except for additional bluetooth feature.

For and on Behalf of  
SAA Approvals Pty Ltd

SAA Approvals Pty Ltd as accredited by JAS-ANZ under ISO/IEC 17065 certifies in accordance with the SAA Approvals Electrical Product Safety Certification Scheme that the product nominated in this certificate complies with standard/s listed.

When using the RCM the requirements of all relevant parts of AS/NZS 4417 applicable to the article must be fulfilled.

JAS-ANZ



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- ~~approval withdrawn~~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\*10R05/01\*4310\*00**

1. Make (trade name of manufacturer) : Victron Energy B.V.
2. Type and general commercial description(s) : Blue Smart IP67 Charger 12/13 (1)  
Blue Smart IP67 Charger 12/7 (1)
3. Means of identification of type, if marked on the ~~vehicle~~/component/  
~~separate technical unit~~ <sup>(1)</sup> : Adhesive Label
- 3.1. Location of that marking : Bottom Side of housing of Product
4. Category of vehicle : All
5. Name and address of manufacturer : Victron Energy B.V.
6. In the case of components and separate technical units, location and method of affixing of the approval mark : On Side of housing of Product
7. Address(es) of assembly plant(s) :

*Type-approval Department*

**Approval number: E4\*10R05/01\*4310\*00**

8. Additional information (where applicable) : see Appendix below
9. Technical service responsible for carrying out the tests : TÜV Rheinland Nederland B.V.
10. Date of test report : June 18, 2019
11. Number of test report : 18091003.A01
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 17 July 2019
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 : Not applicable

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

## APPENDIX

to type-approval communication form number: E4\*10R05/01\*4310\*00

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 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.
  
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

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

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 with regard to Regulation number 10.**Approval number: E4\*10R05/01\*4274\*00**

1. Make (trade name of manufacturer) : Victron Energy B.V.
2. Type and general commercial description(s) : Blue Smart IP67 Charger 12/25 (1+Si)  
And identical:  
Blue Smart IP67 Charger 12/25 (1)  
Blue Smart IP67 Charger 12/17 (1)
3. Means of identification of type, if marked on the ~~vehicle~~/component/  
separate ~~technical unit~~ : Adhesive Label
- 3.1. Location of that marking : Side of housing of Product
4. Category of vehicle : All
5. Name and address of manufacturer : Victron Energy B.V.
6. In the case of components and separate technical units, location and method of affixing of the approval mark : On Side of housing of Product

*Vehicle Admission & Surveillance*

**Approval number: E4\*10R05/01\*4274\*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.
10. Date of test report : April 3, 2019
11. Number of test report : 18091004.a01
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 29 April 2019
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 : Not applicable

  
L. Vellekoop





## APPENDIX

to type-approval communication form number: E4\*10R05/01\*4274\*00,

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

1. Additional information : -
  - 1.1. Electrical system rated voltage : 12 V ~~positive~~/ negative ground<sup>(1)</sup>
  - 1.2. This ESA can be used on any vehicle type with the following restrictions : Not for charging REESS
  - 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 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.
- 
2. Remarks : Attached to this Type Approval:
    - Application form
    - 1 Annex 2B form
    - 1 EMC Testreport
    - Photo's
    - BOM's
    - Schematic Diagrams
    - PCB Layouts
-



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 with regard to Regulation number 10.**Approval number: E4\*10R05/01\*4311\*00**

1. Make (trade name of manufacturer) : Victron Energy B.V.
2. Type and general commercial description(s) : Blue Smart IP67 Charger 24/5 (1)
3. Means of identification of type, if marked on the ~~vehicle~~/component/  
~~separate technical unit~~ : Adhesive Label
  - 3.1. Location of that marking : Side of housing of Product
4. Category of vehicle : All
5. Name and address of manufacturer : Victron Energy B.V.
6. In the case of components and separate technical units, location and method of affixing of the approval mark : On Side of housing of Product
7. Address(es) of assembly plant(s) :

**Approval number: E4\*10R05/01\*4311\*00**

8. Additional information (where applicable) : See Appendix below
9. Technical service responsible for carrying out the tests : TÜV Rheinland Nederland B.V.
10. Date of test report : Apr. 4, 2019
11. Number of test report : 18091005.a01
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 29 April 2019
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
-

## APPENDIX

to type-approval communication form number: E4\*10R05/01\*4311\*00

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

1. Additional information : -
  - 1.1. Electrical system rated voltage : 24 V ~~positive~~/ negative ground<sup>(1)</sup>
  - 1.2. This ESA can be used on any vehicle type with the following restrictions : Not for charging REESS
  - 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 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  
Photo's  
BOM's  
Schematic Diagrams  
PCB Layouts
-



**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 with regard to Regulation number 10.**Approval number: E4\*10R05/01\*4307\*00**

1. Make (trade name of manufacturer) : Victron Energy B.V.
2. Type and general commercial description(s) : Blue Smart IP67 Charger 24/12 (1+Si)  
And identical:  
Blue Smart IP67 Charger 24/12  
Blue Smart IP67 Charger 24/8 (1)
3. Means of identification of type, if marked on the ~~vehicle~~/component/  
separate ~~technical unit~~ : Adhesive Label
- 3.1. Location of that marking : Side of housing of Product
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 : On Side of housing of Product

*Vehicle Admission & Surveillance*

**Approval number: E4\*10R05/01\*4307\*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.
10. Date of test report : Feb. 15, 2019
11. Number of test report : 18091006.a01
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 29 April 2019
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 : Not applicable

  
L. Vellekoop



## APPENDIX

to type-approval communication form number: E4\*10R05/01\*4307\*00

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

1. Additional information : -
  - 1.1. Electrical system rated voltage : 24 V ~~positive~~/ negative ground<sup>(1)</sup>
  - 1.2. This ESA can be used on any vehicle type with the following restrictions : Not for charging REESS
  - 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 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.
- 
2. Remarks : Attached to this Type Approval:
    - Application form
    - 1 Annex 2B form
    - 1 EMC Testreport
    - Photo's
    - BOM's
    - Schematic Diagrams
    - PCB Layouts
- 





# CERTIFICATE OF CONFORMITY

**Certificate No.:** 17864-1S

**Project No.:** 17864

**Certification System Type 3**  
(ISO / IEC Guide 67)

**Client No.:** LC1231751

**Applicant:** Victron Energy B.V.  
De Paal 35  
1351 JG Almere Haven  
The Netherlands



**Issued by:** \_\_\_\_\_  
**Certification Manager**

**Products:** Battery Charger

**Model No(s):** Blue Smart IP65 Charger 12/10 (1)  
Blue Smart IP65 Charger 12/5 (1)  
Blue Smart IP65 Charger 12/15 (1)  
Blue Smart IP65 Charger 24/5 (1)  
Blue Smart IP65 Charger 24/8 (1)  
Blue Smart IP67 Charger 12/17 (1)  
Blue Smart IP67 Charger 12/25 (1)  
Blue Smart IP67 Charger 24/8 (1)  
Blue Smart IP67 Charger 24/12 (1)  
Blue Smart IP67 Charger 12/7 (1)  
Blue Smart IP67 Charger 12/13 (1)  
Blue Smart IP67 Charger 24/5 (1)

The 'C' and 'US' indicators adjacent to the LabTest Certification Mark shall signify that the product has been evaluated by an accredited laboratory to the applicable Canadian and US Standards. The subject area shall be displayed with the LabTest Certification Mark to identify the Standard Number, and Revision Level.

- Ratings:**
- Blue Smart IP65 Charger 12/10 (1)-120V NEMA 1-15  
Input: 110-130Vac, 50-60Hz; Output: 12Vdc, 10A
  - Blue Smart IP65 Charger 12/5 (1)  
Input: 110-130Vac, 50-60Hz; Output: 12Vdc, 5A
  - Blue Smart IP65 Charger 12/15 (1)-120V NEMA 1-15  
Input: 110-130Vac, 50-60Hz; Output: 12Vdc, 15A
  - Blue Smart IP65 Charger 24/5 (1)-120V NEMA 1-15  
Input: 110-130Vac, 50-60Hz; Output: 24Vdc, 5A
  - Blue Smart IP65 Charger 24/8 (1)-120V NEMA 1-15  
Input: 110-130Vac, 50-60Hz; Output: 24Vdc, 8A
  - Blue Smart IP67 Charger 12/17 (1)-120V NEMA 5-15  
Input: 110-130Vac, 50-60Hz; Output: 12Vdc, 17A
  - Blue Smart IP67 Charger 12/25 (1)-120V NEMA 5-15  
Input: 110-130Vac, 50-60Hz; Output: 12Vdc, 25A
  - Blue Smart IP67 Charger 24/8 (1)-120V NEMA 5-15  
Input: 110-130Vac, 50-60Hz; Output: 24Vdc, 8A
  - Blue Smart IP67 Charger 24/12 (1)-120V NEMA 5-15  
Input: 110-130Vac, 50-60Hz; Output: 24Vdc, 12A
  - Blue Smart IP67 Charger 12/7 (1)-120V NEMA 5-15  
Input: 110-130Vac, 50-60Hz; Output: 12Vdc, 7A
  - Blue Smart IP67 Charger 12/13 (1)-120V NEMA 5-15  
Input: 110-130Vac, 50-60Hz; Output: 12Vdc, 13A
  - Blue Smart IP67 Charger 24/5 (1)-120V NEMA 5-15  
Input: 110-130Vac, 50-60Hz; Output: 24Vdc, 5A

**Applicable requirements:**

- UL 1236 (Edition 8)
- CSA-C22.2 No. 107.2-01 (R2016)

**Conditions of acceptability:**

- None

## DECLARATION OF CONFORMITY



COMPANY : Victron Energy B.V.

Declares that the following products:

PRODUCT TYPE : BATTERY CHARGER  
BRAND : Victron Energy  
MODELS :  
- Blue Smart IP67 charger 12/7(1) 230V  
- Blue Smart IP67 charger 12/13(1) 230V  
- Blue Smart IP67 charger 12/17(1) 230V  
- Blue Smart IP67 charger 12/25(1) 230V  
- Blue Smart IP67 charger 24/5(1) 230V  
- Blue Smart IP67 charger 24/8(1) 230V  
- Blue Smart IP67 charger 24/12(1) 230V

Are in conformity with the requirements of the following Directives of the European Union:

**EMC Directive 2014/30/EU with the following harmonized standards:**

EN-IEC 61000-3-2:2014  
EN-IEC 61000-3-3:2013  
EN-IEC 61000-6-1:2007  
EN-IEC 61000-6-2:2005  
EN-IEC 61000-6-3:2007/A1:2011/AC:2012  
EN 55014-1:2006/A1:2009/A2:2011  
EN 55014-2:1997/A1:2001/A2:2008

**Low Voltage Directive 2014/35/EU with the following harmonized standards:**

EN-IEC 60335-1:2012/A11:2014  
EN-IEC 60335-2-29:2004/A2:2010

**Restriction of the use of certain hazardous substances RoHS (2011/65/EU and 2015/863/EU) with the following harmonized standards:**

EN-IEC 63000:2018

**Vehicle Radiated Emissions & Immunity**

ECE R10-5

CE MARK DATE: September 16th, 2017

Signed : Reinout Vader

Authority : Managing Director  
Date : 19 August 2019



## DECLARATION OF CONFORMITY



COMPANY : Victron Energy B.V.

Declares that the following products:

PRODUCT TYPE : BATTERY CHARGER  
BRAND : Victron Energy  
MODELS : - Blue Smart IP67 Charger 12/25(1+si)  
- Blue Smart IP67 Charger 24/12(1+Si)

Are in conformity with the requirements of the following Directives of the European Union:

**EMC Directive 2014/30/EU with the following harmonized standards:**

EN-IEC 61000-3-2:2014  
EN-IEC 61000-3-3:2013  
EN-IEC 61000-6-1:2007  
EN-IEC 61000-6-2:2005  
EN-IEC 61000-6-3:2007/A1:2011/AC:2012  
EN 55014-1:2006/A1:2009/A2:2011  
EN 55014-2:1997/A1:2001/A2:2008

**Low Voltage Directive 2014/35/EU with the following harmonized standards:**

EN-IEC 60335-1:2012/A11:2014  
EN-IEC 60335-2-29:2004/A2:2010

**Restriction of the use of certain hazardous substances RoHS (2011/65/EU and 2015/863/EU) with the following harmonized standards:**

EN-IEC 63000:2018

**Vehicle Radiated Emissions & Immunity**

ECE R10-5

CE MARK DATE: 16 September 2017

Signed : Reinout Vader

Authority : Managing Director  
Date : 19 August 2019