

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





Certificate of Conformity

Certificate: 16956-1S_Rev1

Master Contract: LC 1231751

Project: 16956

Date Issued: September 17, 2018

Certification System Type 3
(ISO / IEC Guide 67)

The products listed below are eligible to bear the LabTest Certification Mark with adjacent indicators 'C' and 'US', and the subject area as shown below.



Issued by:

A handwritten signature in blue ink, appearing to read "Kaminder Dhillon".

Certification Manager

PRODUCTS

- Battery Charger
- Model No.: Blue Smart Charger 12/7(1)
- Ratings: Input: 110-130Vac, 50-60Hz; 2A
Output: 12Vdc, 7A

APPLICABLE REQUIREMENTS & SUBJECT AREA

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

CONDITIONS OF ACCEPTABILITY

None

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 CSA and UL Standards respectively. The subject area shall be displayed with the LabTest Certification Mark to identify the Standard Number, and Revision Level.

Declaration of Conformity

Applicant: Victron Energy B.V.

Product type: Battery Charger

Model: Blue Power IP65 charger series
Blue Smart IP65 charger series; detailed models see page 2

Rating: See page 2 and 3

A representative test sample of above stated model passed the tests according to:

Standard: IEC 60335-2-29:2002 + A1:2004 + A2:2009 in conjunction with IEC 60335-1:2010
EN 60335-2-29:2004 + A2:2010 conjunction with EN 60335-1:2012

IEC 60950-1 + A1:2009 + A2:2013
EN 60950-1 + A11:2009 + A1:2010 + A12:2011 + A2:2013

Report no: 15PP004-1_3
15PP004-2_0

Certificate no: 15-056-01

Date of issue: 2018-11-30



Peter Hanses
- Digitally signed | see <http://oca.primara.net> for more details -

Peter Hanses



Model / Type reference Technical Data

Model / Type reference	Input voltage	Input current	Frequency	Power	Output voltage	Output current
Blue Power IP65 charger series						
Blue Power IP65 charger 12/5(1)	220-240 Vac	0,7 A	50 Hz	80 W	12 Vdc	5 A
Blue Power IP65 charger 12/7(1)	220-240 Vac	1 A	50 Hz	110 W	12 Vdc	7 A
Blue Power IP65 charger 12/10(1)	220-240 Vac	1,1 A	50 Hz	150 W	12 Vdc	10 A
Blue Power IP65 charger 12/15(1)	220-240 Vac	1,7 A	50 Hz	230 W	12 Vdc	15 A
Blue Power IP65 charger 24/5(1)	220-240 Vac	1,4 A	50 Hz	150 W	24 Vdc	5 A
Blue Power IP65 charger 24/8(1)	220-240 Vac	1,8 A	50 Hz	240 W	24 Vdc	8 A
Blue Smart IP65 charger series						
Blue Smart IP65 Charger 12/4(1)	220-240 Vac	0,5 A	50-60 Hz	65 W	12 Vdc	4 A
Blue Smart IP65 Charger 12/4(1) AU/NZ	220-240 Vac	0,5 A	50-60 Hz	65 W	12 Vdc	4 A
Blue Smart IP65 Charger 12/4(1) UK	220-240 Vac	0,5 A	50-60 Hz	65 W	12 Vdc	4 A
Blue Smart IP65s Charger 12/5(1) UK	220-240 Vac	0,7 A	50-60 Hz	80 W	12 Vdc	5 A
Blue Smart IP65s Charger 12/5(1) AU/NZ	220-240 Vac	0,7 A	50-60 Hz	80 W	12 Vdc	5 A
Blue Smart IP65s Charger 12/5(1)	220-240 Vac	0,7 A	50-60 Hz	80 W	12 Vdc	5 A
Blue Smart IP65 Charger 12/5(1)	220-240 Vac	0,7 A	50-60 Hz	80 W	12 Vdc	5 A
Blue Smart IP65 Charger 12/7(1)	220-240 Vac	1 A	50-60 Hz	110 W	12 Vdc	7 A
Blue Smart IP65 Charger 12/7(1) AU/NZ	220-240 Vac	1 A	50-60 Hz	110 W	12 Vdc	7 A

Blue Smart IP65 Charger 12/7(1) UK	220-240 Vac	1 A	50-60 Hz	110 W	12 Vdc	7 A
Blue Smart IP65 Charger 12/10(1)	220-240 Vac	1,1 A	50-60 Hz	110 W	12 Vdc	10 A
Blue Smart IP65 Charger 12/10(1) AU/NZ	220-240 Vac	1,1 A	50-60 Hz	110 W	12 Vdc	10 A
Blue Smart IP65 Charger 12/10(1) UK	220-240 Vac	1,1 A	50-60 Hz	110 W	12 Vdc	10 A
Blue Smart IP65 Charger 12/15(1)	220-240 Vac	1,7 A	50-60 Hz	230 W	12 Vdc	15 A
Blue Smart IP65 Charger 12/15(1) AU/NZ	220-240 Vac	1,7 A	50-60 Hz	230 W	12 Vdc	15 A
Blue Smart IP65 Charger 12/15(1) UK	220-240 Vac	1,7 A	50-60 Hz	230 W	12 Vdc	15 A
Blue Smart IP65 Charger 24/5(1)	220-240 Vac	1,4 A	50-60 Hz	150 W	24 Vdc	5 A
Blue Smart IP65 Charger 24/5(1) AU/NZ	220-240 Vac	1,4 A	50-60 Hz	150 W	24 Vdc	5 A
Blue Smart IP65 Charger 24/8(1)	220-240 Vac	1,8 A	50-60 Hz	240 W	24 Vdc	8 A
Blue Smart IP65 Charger 24/8(1) AU/NZ	220-240 Vac	1,8 A	50-60 Hz	240 W	24 Vdc	8 A
Blue Smart IP65 Charger 24/8(1) UK	220-240 Vac	1,8 A	50-60 Hz	240 W	24 Vdc	8 A

**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*10R05/01*3886*01

Extension number: --

1. Make (trade name of manufacturer) : Victron Energy B.V.
2. Type and general commercial description(s) : Charger, Model: Blue Smart IP65 Charger 12/7(1), includes the models:
 - Charger, Model: Blue Smart IP65 Charger 12/4(1)
 - Charger, Model: Blue Smart IP65 Charger 12/5(1)
3. Means of identification of type, if marked on the ~~vehicle/component/~~ separate technical unit ⁽¹⁾ : Typeplate
- 3.1. Location of that marking : Bottom
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 : Side part of enclosure



Vehicle Admission & Surveillance

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 : March 26, 2018
11. Number of test report : 17061402.a01
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 22-MAY-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 : Addition of variants identical to the Charger model: Blue Smart IP65 Charger 12/7(1)

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*3886*01, Extension number: 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 DC ~~pos./neg.~~ ground⁽¹⁾
 - 1.2. This ESA can be used on any vehicle type with the following restrictions : All
 - 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:
 - 1 Application form
 - 1 Annex B form
 - 1 EMC Testreport
 - Owners Manual
 - Drawings/Photos
 - Type plate Stickers
 - Schematic Diagram
 - PCB Layout

⁽¹⁾ Strike out what does not apply.



**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*10R05/01*3885*01
Extension number:--

- | | | |
|------|--|--|
| 1. | Make (trade name of manufacturer) | : Victron Energy B.V. |
| 2. | Type and general commercial description(s) | : Charger, Model: Blue Smart IP65 Charger 12/15(1) 230V, including model:
- Charger, Model: Blue Smart IP65 Charger 12/10(1) 230V |
| 3. | Means of identification of type, if marked on the vehicle/component/ separate technical unit ⁽¹⁾ | : Typeplate |
| 3.1. | Location of that marking | : Bottom |
| 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 | : Side part of enclosure |
| 7. | Address(es) of assembly plant(s) | : |

Vehicle Admission & Surveillance


Approval number: E4*10R05/01*3885*01

Extension number:--

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 : March 20, 2018
11. Number of test report : 17061401.a01
12. Remarks (if any) : **see Appendix**
13. Place : **Zoetermeer**
14. Date :**18-MAY-2018**
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 : Addition of a variant, identical to Charger, Model: Blue Smart IP65 Charger 12/15(1) 230V


L. Vellekoop



⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*3885*01, Extension number:--

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 DC pos./neg. ground ⁽¹⁾ |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions | : All |
| 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:
1 Application form
1 Annex B form
1 EMC Testreport
Owners Manual
Drawings/Photos
Type plate Stickers
Schematic Diagram
PCB Layout |

⁽¹⁾ Strike out what does not apply.



THE NETHERLANDS
(NEDERLAND)



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*10R05/01*3888*00

Extension number: --

1. Make (trade name of manufacturer) : Victron Energy B.V.
2. Type and general commercial description(s) : Charger, Model: Blue Smart IP65 Charger 24/8(1) 230V
3. Means of identification of type, if marked on the ~~vehicle/component~~/ separate technical unit ⁽¹⁾ : Typeplate
- 3.1. Location of that marking : Bottom
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 : Side part of enclosure
7. Address(es) of assembly plant(s) :



Vehicle Admission & Surveillance

Approval number: E4*10R05/01*3888*00

Extension number: --

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 : March 26, 2018
11. Number of test report : 17061404.a01
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 01-MAY-2018
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


RDW

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*3888*00, Extension number: --

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

1. Additional information : -
 - 1.1. Electrical system rated voltage : 24 V DC ~~pos./neg.~~ ground ⁽¹⁾
 - 1.2. This ESA can be used on any vehicle type with the following restrictions : All
 - 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:
 - 1 Application form
 - 1 Annex B form
 - 1 EMC Testreport
 - Owners Manual
 - Drawings/Photos
 - Type plate Stickers
 - Schematic Diagram
 - PCB Layout

⁽¹⁾ Strike out what does not apply.





A P P R O V A L S

Certificate of Approval

Certificate No.: SAA-150447-EA

Certificate Holder: Victron Energy B.V.

Class Description: Power Supply or Charger
Product Description: Battery Charger
Brand Name: Victron Energy B.V.
Model No.: BPC121530064R
Markings: Input: 230Vac 50Hz 230W
Output: 12V 15A
Class II
Standard: AS/NZS 60335.2.29:2004 Inc A1-2
AS/NZS 60335.1:2011 Inc A1
Conditions: Nil
Approval Mark: SAA-150447-EA or RCM
Date First Registered: 9 April 2015
Date of Expiry: 9 April 2020

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For and on Behalf of
SAA Approvals Pty Ltd

SAA Approvals Pty Ltd Electrical Product Safety Certification Scheme as accredited by JAS-ANZ under ISO IEC Guide 65 certifies that the electrical product described on this certificate complies with the minimum electrical safety requirements for which the application has been made

JAS-ANZ



Issued: 09-04-15 150447/1



A P P R O V A L S

Certificate of Approval

Addendum

Certificate No.: SAA-150447-EA

Date of Issue: 9 April 2015

Class Description: Power Supply or Charger
Product Description: Battery Charger

Additional Models

BPC121030064R

BPC240830064R

BPC120730064R

BPC120530064R

BPC240530064R

Description

Similar to BPC121530064 except rated input 150W and output 10A.

Similar to BPC121530064 except rated input 240W and output 24V 8A.

Similar to BPC121530064 except rated input 110W and output 7A.

Similar to BPC121530064 except rated input 80W and output 5A.

Similar to BPC121530064 except rated input 150W and output 24V 5A.

A handwritten signature in blue ink, appearing to be 'D. [unclear]', is written over a horizontal line.

For and on Behalf of
SAA Approvals Pty Ltd

JAS-ANZ



SAA Approvals Pty Ltd Electrical Product Safety Certification Scheme as accredited by JAS-ANZ under ISO/IEC Guide 65 certifies that the electrical product described on this certificate complies with the minimum electrical safety requirements for which the application has been made.

Issued: 09-04-15 150447/2



APPROVALS®

Certificate of Approval

Addendum

Certificate No.: SAA-150447-EA

Date of Issue: 6 December 2018

Class Description: Power Supply or Charger
Product Description: Battery Charger

Additional Models

Blue Smart Ip65s Charger 12/5(1) AU/NZ
(BPC120533014R)

Blue Smart IP65 Charger 12/4(1) AU/NZ
(BPC120431014R)

Blue Smart IP65 Charger 12/7(1) AU/NZ
(BPC120731014R)

Blue Smart IP65 Charger 12/10(1) AU/NZ
(BPC121031014R)

Blue Smart IP65 Charger 12/15(1) AU/NZ
(BPC121531014R)

Blue Smart IP65 Charger 24/5(1) AU/NZ
(BPC240531014R)

Blue Smart IP65 Charger 24/8(1) AU/NZ
(BPC240831014R)

Description

Similar to BPC120530064R except new Bluetooth module.

Similar to BlueSmart IP65s charger 12/5(1) AU/NZ(BPC120533014R)
except rated:
Input: 220-240Vac 50/60Hz 65W
Output: 12Vdc 4A

Similar to BPC120730064R except new Bluetooth module.

Similar to BPC121030064R except new Bluetooth module.

Similar to BPC121530064R except new Bluetooth module.

Similar to BPC240530064R except new Bluetooth module.

Similar to BPC240830064R except new Bluetooth module.

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



Issued: 06-12-18 150447/3

CERTIFICATE OF CONFORMITY

Certificate No.: 17864-1S

Date Issued: November 19, 2019

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 IP65 Charger 12/4 + DC connector
- Blue Smart IP65 Charger 12/5 + DC connector
- Blue Smart IP65 Charger 12/7 + DC connector
- Blue Smart IP65 Charger 12/10 + DC connector
- Blue Smart IP65 Charger 12/15 + DC connector
- Blue Smart IP65 Charger 12/25 + DC connector
- Blue Smart IP65 Charger 24/5 + DC connector
- Blue Smart IP65 Charger 24/8 + DC connector
- Blue Smart IP65 Charger 24/13 + DC connector

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 11th, 2015

Signed : Reinout Vader

Authority : Managing Director
Date : 19 August 2019