

Victron Energy B.V.

Almere Haven (The Netherlands)

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 other related electrical devices.**

This certification is subject to annual evaluation by TÜV Nederland.

Registration number: 24574-3.2
Start date certificate: 10-08-2021
Certificate valid until: 06-07-2024
Date of first certificate: 06-07-2015
Previous certificate valid until: 06-07-2021
Date audit: 05-07-2021 en 06-07-2021

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



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The Netherlands
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DECLARATION OF CONFORMITY



COMPANY : Victron Energy B.V.
ADDRESS : De Paal 35
1351 JG Almere
The Netherlands

Declares that the following products:

PRODUCT TYPE : BATTERY CHARGER, 120V and 230V models
BRAND : Victron Energy
MODELS :

| | |
|---|---|
| Blue Smart IP22 Charger 12/15(1) | Blue Smart IP22 Charger 24/8(1) |
| Blue Smart IP22 Charger 12/15(3) | Blue Smart IP22 Charger 24/8(3) |
| Blue Smart IP22 Charger 12/20(1) | Blue Smart IP22 Charger 24/12(1) |
| Blue Smart IP22 Charger 12/20(3) | Blue Smart IP22 Charger 24/12(3) |
| Blue Smart IP22 Charger 12/30(1) | Blue Smart IP22 Charger 24/16(1) |
| Blue Smart IP22 Charger 12/30(3) | Blue Smart IP22 Charger 24/16(3) |

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/AC:2005
EN-IEC 61000-6-3:2007/A1:2011/AC:2012
EN 55014-1:2017/A11:2020
EN 55014-2:1997/A1:2001/A2:2008

RED Directive 2014/53/EU with the following standards:

CISPR 16-2-3: 2010 (EN 55016-2-3: 2010 and Amd. A1: 2010)
ETSI EN 301 489-1 V2.2.3 and ETSI EN 301 489-17 V3.2.4
ETSI EN 300 328 v2.2.2, Clause 4.3.1.10 and Clause 4.3.1.11

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

EN-IEC 60335-1:2012/AC:2014/A11:2014/A13:2017A1:2019/A14:2019/A2:2019
EN-IEC 60335-2-29:2004/A2:2010/A11:2018

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: 10 March 2017

Signed : Reinout Vader

Authority : Managing Director
Date : 29 December 2021

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 with regard to Regulation number 10.**Approval number: E4*10R05/01*4245*00**

1. Make (trade name of manufacturer) : Victron Energy
2. Type and general commercial description(s) : Charger:
Blue Smart IP22 Charger 12/30 (3) with similar products:
Blue Smart IP22 Charger 12/15 (1)
Blue Smart IP22 Charger 12/15 (3)
Blue Smart IP22 Charger 12/20 (1)
Blue Smart IP22 Charger 12/20 (3)
Blue Smart IP22 Charger 12/30 (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 wall of cabinet
4. Category of vehicle : All
5. Name and address of manufacturer : Victron Energy B.V.
De Paal 35
1351 JG Almere
The Netherlands



Approval number: E4*10R05/01*4245*00

6. In the case of components and separate technical units, location and method of affixing of the approval mark : Side wall cabinet
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 : Feb. 15, 2019
11. Number of test report : 18032003.a01
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 25 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
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APPENDIX

to type-approval communication form number: E4*10R05/01*4245*00

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 ~~positive~~/ negative 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 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

⁽¹⁾ Strike out what does not apply.

Prüfbescheinigung *Declaration of Conformity*

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

Produkttyp: Battery Charger IP22
Product type:

Modell: Blue Power IP22 charger series
Model: Blue Smart IP22 charger series
(for detailed model descriptions see page 2)

Leistung: see page 2
Rating:

Ein repräsentatives Prüfmuster des oben genannten Modells bestand die Prüfung nach:
A representative test sample of above stated model passed the tests according to:

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

Berichtsnummer: 15PP137-01
Report no:

Zertifikatsnummer: 16-033-02
Certificate no:

Ausstelldatum: 2018-04-26
Date of issue:

Peter Hanses



Technical Data

Technische Daten

| Model / Type reference | Input voltage | Frequency | Power | Output voltage | Output current |
|---|---------------|-----------|-------|----------------|----------------|
| Blue Power IP22 charger 12/15 (1) | 220-240Vac | 50-60Hz | 230W | 12Vdc | 15A |
| Blue Smart IP22 charger 12/15 (1) | 220-240Vac | 50-60Hz | 230W | 12Vdc | 15A |
| Blue Smart IP22 charger 12/15 (1) UK | 220-240Vac | 50-60Hz | 230W | 12Vdc | 15A |
| Blue Smart IP22 charger 12/15 (3) | 220-240Vac | 50-60Hz | 230W | 12Vdc | 15A |
| Blue Smart IP22 charger 12/15 (3) UK | 220-240Vac | 50-60Hz | 230W | 12Vdc | 15A |
| Blue Power IP22 charger 12/20 (1) | 220-240Vac | 50-60Hz | 310W | 12Vdc | 20A |
| Blue Smart IP22 charger 12/20 (1) | 220-240Vac | 50-60Hz | 310W | 12Vdc | 20A |
| Blue Smart IP22 charger 12/20 (1) UK | 220-240Vac | 50-60Hz | 310W | 12Vdc | 20A |
| Blue Power IP22 charger 12/20 (3) | 220-240Vac | 50-60Hz | 310W | 12Vdc | 20A |
| Blue Smart IP22 charger 12/20 (3) | 220-240Vac | 50-60Hz | 310W | 12Vdc | 20A |
| Blue Smart IP22 charger 12/20 (3) UK | 220-240Vac | 50-60Hz | 310W | 12Vdc | 20A |
| Blue Power IP22 charger 12/30 (1) | 220-240Vac | 50-60Hz | 470W | 12Vdc | 30A |
| Blue Smart IP22 charger 12/30 (1) | 220-240Vac | 50-60Hz | 470W | 12Vdc | 30A |
| Blue Smart IP22 charger 12/30 (1) UK | 220-240Vac | 50-60Hz | 470W | 12Vdc | 30A |
| Blue Smart IP22 charger 12/30 (1) AU/NZ | 220-240Vac | 50-60Hz | 470W | 12Vdc | 30A |
| Blue Power IP22 charger 12/30 (3) AU/NZ | 220-240Vac | 50-60Hz | 470W | 12Vdc | 30A |
| Blue Power IP22 charger 12/30 (3) UK | 220-240Vac | 50-60Hz | 470W | 12Vdc | 30A |
| Blue Smart IP22 charger 12/30 (3) | 220-240Vac | 50-60Hz | 470W | 12Vdc | 30A |
| Blue Smart IP22 charger 12/30 (3) UK | 220-240Vac | 50-60Hz | 470W | 12Vdc | 30A |
| Blue Smart IP22 charger 12/30 (3) AU/NZ | 220-240Vac | 50-60Hz | 470W | 12Vdc | 30A |
| Blue Power IP22 charger 24/8 (3) | 220-240Vac | 50-60Hz | 240W | 24Vdc | 8A |
| Blue Smart IP22 charger 24/8 (1) | 220-240Vac | 50-60Hz | 240W | 24Vdc | 8A |
| Blue Power IP22 charger 24/12 (1) | 220-240Vac | 50-60Hz | 380W | 24Vdc | 12A |
| Blue Smart IP22 charger 24/12 (1) | 220-240Vac | 50-60Hz | 380W | 24Vdc | 12A |
| Blue Smart IP22 charger 24/12 (1) UK | 220-240Vac | 50-60Hz | 380W | 24Vdc | 12A |
| Blue Smart IP22 charger 24/16 (1) | 220-240Vac | 50-60Hz | 500W | 24Vdc | 16A |
| Blue Smart IP22 charger 24/16 (1) UK | 220-240Vac | 50-60Hz | 500W | 24Vdc | 16A |
| Blue Smart IP22 charger 24/16 (1) AU/NZ | 220-240Vac | 50-60Hz | 500W | 24Vdc | 16A |
| Blue Smart IP22 charger 24/16 (3) | 220-240Vac | 50-60Hz | 500W | 24Vdc | 16A |
| Blue Smart IP22 charger 24/16 (3) UK | 220-240Vac | 50-60Hz | 500W | 24Vdc | 16A |
| Blue Smart IP22 charger 24/16 (3) AU/NZ | 220-240Vac | 50-60Hz | 500W | 24Vdc | 16A |