

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





TYPE APPROVAL CERTIFICATE for product

Name: Inverters, converters, transformers

Manufacturer: Victron Energy B.V.

Technical documentation is approved by Ref. No. МФ-22-1130 of 26.06.2013

Victron Energy
Specifications ТУ ЮВ-001-13 Victron Energy electrical equip-
ment

Techniques of tests ПМИ ТУ ЮВ-001-13

The prototype model is tested and surveyed according to the program approved by Russian River Register.

On the basis of checks and test results this is to certify that the structure, properties, parameters and characteristics of type product meet the requirements of Russian River Register Rules.

Application and limitations:

As electrical equipment intended for installation on vessels with a class of the Russian River Register

This Certificate is valid since 08.07.2013 г. till 08.07.2018

No 09-11.1-4.3-0179



Director of Moscow Branch Office of Russian
River Register

(/ position)

(/ signature)

S. Presnov

(/ name)



Technical data:

Type	/Power W	A/Current A	B./Voltage V	Fre- quency Hz	Pro- tection
Isolation trans- former / Isolation transformer	2000 - 3600Br		115/230	50	IP21
Isolation trans- former / Isolation transformer	7000Br		230/230	50	IP21
Phoenix inverter / Phoenix inverter	180-5000BA		12;24;48;96/230	50	IP20
Orion DC/DC convertor / Orion DC/DC convertor		5 - 70	18-35; 9-18/12; 24	-	IP20

This Type Approval Certificate does not substitute a Certificate or similar document of Russian River Register issued for a specific product.

This Type Approval Certificate becomes invalid in cases stipulated by Russian River Register Rules.



TYPE APPROVAL CERTIFICATE for product

Name: Battery charges

Manufacturer: Victron Energy B.V.

Technical documentation is approved by Ref. No. МФ-22-1130 of 26.06.2013

Victron Energy
Specifications ТУ ЮВ-001-13 Victron Energy electrical equip-
ment

Techniques of tests ПИИ ТУ ЮВ-001-13

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This Certificate is valid since 08.07.2013 r. till 08.07.2018

No 09-11.1-4.3-0180



Director of Moscow Branch Office of Russian
River Register

position)

S. Presnov
signature)

S. Presnov
name)



Technical data:

Тип, марка/Type	B./Power V	A/Current A	Fre- quency Hz	Protec- tion
Blue Power battery charger / Blue Power battery charger	180-265/12-24	7-25	50	IP20
Blue Power battery charger / Blue Power battery charger	230/12-24	7-25	50	IP65
Centaur charger / Centaur charger	90-265/12-24	20-200	50	IP20
Phoenix battery charger / Phoenix battery charger	90-265/12-24	16-50	50	IP20
Skylla-i battery charger / Skylla-i battery charger	230/12-24	80-100	50	IP21
Skylla-TG battery charger / Skylla-TG battery charger	90-265/12-24	30-100	50	IP21
Skylla-TG battery charger / Skylla-TG battery charger	400/24	50-100	50	IP21

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TYPE APPROVAL CERTIFICATE for product

Name: Inverter/ chargers

Manufacturer: Victron Energy

Technical documentation is approved by Ref. No. МФ-22-1130 of 26.06.2013

Victron Energy
Specifications ТУ ЮБ-001-13 Victron Energy electrical equip-
ment

Techniques of tests ПМИ ТУ ЮБ-001-13

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On the basis of checks and test results this is to certify that the structure, properties, parameters and characteristics of type product meet the requirements of Russian River Register Rules.

Application and limitations:

As electrical equipment intended for installation on vessels with a class of the Russian River Register

This Certificate is valid since 08.07.2013 r. till 08.07.2018

No 09-11.1-4.3-0181



Director of Moscow Branch Office of Russian
River Register

position


signature

S. Presnov
name



Technical data:

Type	B./Voltage V	/Power VA	Fre- quency Hz	Protec- tion
MultiPlus inverter/charger / MultiPlus inverter/charger	12;24;48/187-265	800/5000	50	IP21
Quattro inverter/charger /Quattro inverter/charger	12;24;48/187-265	3000-10000	50	IP21

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CERTIFICATE OF TYPE APPROVAL

Name: Inverters, converters, transformers

Manufacturer: B.V. De Paal

Technical documentation is approved by Ref. No. МФ-22-1130 of 26.06.2013

Victron Energy
Specifications ТУ ЮБ-001-13 Victron Energy electrical equipment

Techniques of tests ПМИ ТУ ЮБ-001-13

The model is tested and surveyed according to the program approved by Russian River Register.

On the basis of checks and test results this is to certify that the structure, properties, parameters and characteristics of the type product meet the requirements of the Technical regulations on the safety of inland water transport objects.

Application and limitations:

As electrical equipment intended for installation on vessels with a class of the Russian River Register

This Certificate is valid since 08.07.2013



No. 09-11.4-4.3-0179

Director of Moscow Branch Office of Russian River Register

position

signature)

S. Presnov

name, surname



Technical data:

Type	Power W	A/Current A	B./Voltage V	Frequency Hz
Isolation transformer / Isolation transformer	2000 - 3600Br		115/230	50
Isolation transformer / Isolation transformer	7000Br		230/230	50
Phoenix inverter / Phoenix inverter	180-5000BA		12;24;48;96/230	50
Orion DC/DC convertor / Orion DC/DC convertor		5 - 70	18-35; 9-18/12; 24	-



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CERTIFICATE OF TYPE APPROVAL

Name: Battery chargers

Manufacturer: Victron Energy

Technical documentation is approved by Ref. No. МФ-22-1130 of 26.06.2013

Victron Energy
Specifications ТУ ЮВ-001-13 Victron Energy electrical equipment

Techniques of tests ПМИ ТУ ЮВ-001-13

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Application and limitations:

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This Certificate is valid since 08.07.2013



No. 09-11.4-4.3-0180

Director of Moscow Branch Office of Russian River Register

position)

signature

S. Presnov

name, surname)



Technical data:

Type	B./Voltage V	A/Current A	Гц./Frequency Hz	Pro-tection
Blue Power battery charger / Blue Power battery charger	180-265/12-24	7-25	50	IP20
Blue Power battery charger / Blue Power battery charger	230/12-24	7-25	50	IP65
Centaur charger / Centaur charger	90-265/12-24	20-200	50	IP20
Phoenix battery charger / Phoenix battery charger	90-265/12-24	16-50	50	IP20
Skylla-i battery charger / Skylla-i battery charger	230/12-24	80-100	50	IP21
Skylla-TG battery charger / Skylla-TG battery charger	90-265/12-24	30-100	50	IP21
Skylla-TG battery charger / Skylla-TG battery charger	400/24	50-100	50	IP21

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**CERTIFICATE OF TYPE APPROVAL**

Name: Inverter/ chargers

Manufacturer: Victron Energy B.V.

Technical documentation is approved by Ref. No. МФ-22-1130 of 26.06.2013

Victron Energy
Specifications ТУ ЮВ-001-13 Victron Energy electrical equip-
ment

Techniques of tests ПМИ ТУ ЮВ-001-13

The model is tested and surveyed according to the program approved by Russian River Register.

On the basis of checks and test results this is to certify that the structure, properties, parameters and characteristics of the type product meet the requirements of the Technical regulations on the safety of inland water transport objects.

Application and limitations:

As electrical equipment intended for installation on vessels with a class of the Russian River Register

This Certificate is valid since

08.07.2013

№
No. 09-11.4-4.3-0181Director of Moscow Branch Office of Russian
River Register

position

signature

S. Presnov

name, surname



Technical data:

Тип, марка/Type	B./Voltage V	Power VA	Fre- quency Hz	Pr otec- tion
MultiPlus inverter/charger / MultiPlus inverter/charger	12;24;48/187-265	800/5000	50	IP21
Quattro inverter/charger /Quattro in- verter/charger	12;24;48/187-265	3000-10000	50	IP21

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RECOGNITION CERTIFICATE

№ 09572

This is to certify that Russian River Register recognizes **Victron Energy B.V., The Netherlands** being capable of performing in accordance with the Russian River Register Rules:

-designing, manufacturing, installation, service and repair of inverters, converters, transformers, battery charges and inverters / chargers in accordance with documentation approved by Russian River Register.

Form of technical supervision — technical supervision by technical staff of organization on the basis of agreement or contract between organization and Russian River Register

Commencement date 26 August 2013 .

Expiry date 25 August 2015 .

Director of Moscow Branch Office of
Russian River Register




signature)

S. Presnov
name, surname)



DECLARATION OF CONFORMITY



COMPANY : Victron Energy B.V.

Declares that the following products:

PRODUCT TYPE : BATTERY CHARGER
BRAND : Victron Energy
MODELS :

Centaur Charger 12/20	Centaur Charger 24/16
Centaur Charger 12/30	Centaur Charger 24/30
Centaur Charger 12/40	Centaur Charger 24/40
Centaur Charger 12/50	Centaur Charger 24/60
Centaur Charger 12/60	Centaur Charger 24/80
Centaur Charger 12/80	Centaur Charger 24/100
Centaur Charger 12/100	
Centaur Charger 12/160	
Centaur Charger 12/200	

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: October 8th, 2011

We also declare that the above-mentioned chargers have been designed to comply with UL1236

Signed : Reinout Vader