

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







S. Presnov

/ name)



RUSSIAN RIVER REGISTER

TYPE APPROVAL CERTIFICATE for product

Manufacturer: Victron Energy B.V. Technical documentation is approved by Ref. No. MΦ-22-1130 of 26.06.2013 Victron Energy Specifications TV HOB-001-13 Victron Energy electrical equipment Techniques of tests ΠΜИ TV HOB-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		Name: Inverters, converters,	, transformers				
Victron Energy Specifications TV IOB-001-13 Victron Energy electrical equipment Techniques of tests IIMH TV IOB-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 No 09-11.1-4.3-0179		Manufacturer: Victron	Energy B.V.				
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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 No 09-11.1-4.3-0179		The prototype model is tested and survey	ed according to the	program	approved	by Russian Rive	r Register.
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 No 09-11.1-4.3-0179	ct						parameters and
This Certificate is valid since 08.07.2013 Γ. till No09-11.1-4.3-0179		Application and limitations:					
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No		O TO COCCHICE TO	08.07.2013 г.	till	08.07.20	8	
		O PORTOR OF THE PROPERTY OF TH		No .		09-11.1-4.3-01	79

River Register

Director of Moscow Branch Office of Russian

/ position)

Туре	/Power W	A/Current A	B./Voltage V	Frequency Hz	Pro- tection
Isolation transformer / Isolation transformer	2000 - 3600Вт		115/230	50	IP21
Isolation transformer / Isolation transformer	7000Вт		230/230	50	IP21
Phoenix inverter /	180-5000BA		12;24;48;96/230	50	IP20
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. MΦ-22-1130 of 26.06.2013

Specifications TY IOB-001-13 Victron Energy electrical equip-

ment

Techniques of tests ГІМИ 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.

08.07.2018

No 09-11.1-4.3-0180

Director of Moscow Branch Office of Russian

River Register

position)

signature)

S. Presnov

name)



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

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TYPE APPROVAL CERTIFICATE for product

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Inverter/ chargers

Manufacturer:

Victron Energy

Technical documentation is approved

by Ref. No. MΦ-22-1130 of 26.06.2013

Victron Energy

Specifications TV IOB-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.

08.07.2018

09-11.1-4.3-0181

Director of Moscow Branch Office of Russian

River Register

position



S. Presnov

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

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CERTIFICATE OF TYPE APPROVAL

Manufacturer:	B.V. De Pa	aal l	
Technical documentation is	approved	by Ref. No. MΦ-22-1130 of 26	.06.2013
	ŗ	Victron Energy Specifications TY IOB-001-13 'ment	Victron Energy electrical equip-
		Techniques of tests ПМИ ТУ К	DB-001-13
The model is tested and su	rveyed according	to the program approved by Russi	an River Register.
		this is to certify that the structu equirements of the Technical regu	
Application and limitation	s:		
As electrical equipment into	ended for installa	tion on vessels with a class of the	Russian River Register
This Certificate is valid sin-	ce	08.07.2013	
Perilo Dipopo		No	09-11.4-4.3-0179
Director of Moscow Branch O River Register		Africal	S. Presnov
positi	on	signature)	name, surname
		The state of the s	

Inverters, converters, transformers

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

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

This Certificate of Type Approval becomes invalid in cases stipulated by the Technical regulations on the safety of inland water transport objects.



Name:

Battery chargers

RUSSIAN RIVER REGISTER

CERTIFICATE OF TYPE APPROVAL

Manufacturer:	Victron En	nergy
Technical documentation i	s approved	by Ref. No. MΦ-22-1130 of 26.06.2013
		Victron Energy Specifications TV IOB-001-13 Victron Energy electrical equip- ment
		Techniques of tests ПМИ ТУ ЮВ-001-13
The model is tested and su	rveyed according	g to the program approved by Russian River Register.
		this is to certify that the structure, properties, parameters and requirements of the Technical regulations on the safety of inland
Application and limitation	is:	
As electrical equipment in	tended for install	ation on vessels with a class of the Russian River Register
This Certificate is valid sir	ice	08.07.2013
M.T. ALS		No09-11.4-4.3-0180
Director of Moscow Branch (River Register	Office of Russian	S. Presnov signature name, surname)
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Туре	B./Voltage V	A/Current A	Гц./Frequency	Pro- tection
Blue Power battery char- ger / Blue Power battery charger	180-265/12-24	7-25	50	IP20
Blue Power battery char- ger / 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

nveren enargers		
Manufacturer: Victron Er	nergy B.V.	
Technical documentation is approved	by Ref. No. MΦ-22-1130 of	26.06.2013
	Victron Energy Specifications TY IOB-001- ment	13 Victron Energy electrical equip-
	Techniques of tests ПМИ Т	У ЮВ-001-13
The model is tested and surveyed according	g to the program approved by R	ussian River Register.
characteristics of the type product meet the water transport objects. Application and limitations: As electrical equipment intended for install		
This Certificate is valid since	08.07.2013	
M.II. A.S. M.II. A.S. M.II. A.S. M.II. A.S. OCCUMENO OCCUMENO	№ No	09-11.4-4.3-0181
Director of Moscow Branch Office of Russian River Register	Special	S. Presnov
position	signature	name, surname

Тип, марка/Туре	B./Voltage V	Power VA	Frequency Hz	Pr otec- 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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RECOGNITION **CERTIFICATE**

№ <u>09572</u>

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

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