

## DECLARATION OF CONFORMITY



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

Declares that the following products:

PRODUCT TYPE : BlueSolar Charge Controllers  
BRAND : Victron Energy  
MODELS :

BlueSolar PWM -LCD&USB 12/24V-5A
BlueSolar PWM -LCD&USB 12/24V-10A
BlueSolar PWM -LCD&USB 12/24V-20A
BlueSolar PWM -LCD&USB 12/24V-30A
BlueSolar PWM-LCD&USB 48V-10A
BlueSolar PWM-LCD&USB 48V-20A
BlueSolar PWM-LCD&USB 48V-30A
BlueSolar PWM DUO-LCD&USB 12/24V-20A

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

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

EN-IEC 62109-1:2010

### **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

CE MARK DATE: October, 2017

Signed: Reinout Vader

Authority: Managing Director  
Date: 29 December 2021

## DECLARATION OF CONFORMITY



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

Declares that the following products:

PRODUCT TYPE : SmartSolar Charge Controllers  
BRAND : Victron Energy  
MODELS :

SmartSolar MPPT 75/10, 75/15 and 100/15	SmartSolar MPPT 150/70-Tr and 150/70-MC4
SmartSolar MPPT 100/20	SmartSolar MPPT 150/85-Tr and 150/85-MC4
SmartSolar MPPT 100/30	SmartSolar MPPT 150/100-Tr and 150/100-MC4
SmartSolar MPPT 100/50	SmartSolar MPPT 250/60-Tr and 250/60-MC4
SmartSolar MPPT 150/35	SmartSolar MPPT 250/70-Tr and 250/70-MC4
SmartSolar MPPT 150/70	SmartSolar MPPT 250/85-Tr and 250/85-MC4
SmartSolar MPPT 150/85	SmartSolar MPPT 250/100-Tr and 250/100-MC4
SmartSolar MPPT 150/45-Tr and 150/45-MC4	SmartSolar Pluggable Display
SmartSolar MPPT 150/60-Tr and 150/60-MC4	

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 61000-6-1:2007  
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 62368-1:2014/AC:2015  
EN-IEC 62109-1:2010

**Vehicle Radiated Emissions & Immunity**

ECE R10-5

**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

CE MARK DATE: September 1st, 2017

Signed: Reinout Vader

Authority: Managing Director  
Date: 29 December 2021



## ISET S.r.l. Unipersonale

Sede Legale e Uffici

Via Donatori di sangue, 9 - 46024 Moglia (MN)

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Cap. soc. i.v.

€ 10.200,00

Cod. Fisc. e P.IVA Reg. Imprese

02 332 750 369

REA

02 332 750 369

Cap. soc. i.v.

MN 0221098

# CERTIFICATE

Certificat - Certificado- Сертификат - Zertifikat - 證書

- 1) **APPLICANT:** (who finally puts the product on the market)  
JinHua Dokio Technology Co.,Ltd  
No.88,Jinxing Road(N),Qiubin Industry Zone,Jinhua ,Zhejiang ,China
- 2) **CERTIFICATE NO.:** ISETC.003220200928  
**TECHNICAL REFERENCE:** DK2020092403E
- 3) **ISET MARK:**



- 4) **CAUTION ABOUT CE MARKING** (Instruction for the Applicant who puts the product on the EU market):



The label of the CE Marking on the left side should be not less than 5mm height. CE Marking and EC Declaration of Conformity are duties for the manufacturer or its applicant who puts the product on the market. This one is responsible to start the CE marking and certification procedure as required by the legislation in force. Only for the products which are compulsorily included into specific Directives or Regulations will be necessary to appoint a Notified Body.

- 5) **TYPE OF PRODUCT:** Solar Panel  
**MODEL(S):** See the following annex I
- 6) **LIST OF DIRECTIVES / REGULATIONS /STANDARDS** (as declared by the manufacturer itself)  
Electromagnetic Compatibility 2014/30/EU  
EN 61000-6-1:2007, EN 61000-6-3:2007/A1:2011/AC:2012
- 7) **NOTE:** This document is not referred to any evaluation that could be considered as included in the scope of the activities covered by the standard BS EN ISO/IEC 17065:2012 or European Regulation 765/2008.
- 8) **REMARK:** Certificate is issued on voluntary application from the Client and it gives to the applicant the right to use and affix the ISET Mark on their products, even if it doesn't imply any assessment on the safety and compliance of the product. ISET declares that the only scope of the assessment is to verify the existence of the declaration issued by the manufacturer or an applicant under its own responsibilities.
- 9) **DATE OF ISSUE:** 28/09/2020
- 10) **SIGNATURE:** Xiao Ming

**EXPIRY DATE:** 27/09/2025

(On behalf of the Legal representative)





ISTITUTO SERVIZI  
EUROPEI TECNOLOGICI

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Cap. soc. i.v.

€ 10.200,00

Cod. Fisc. e P.IVA Reg. Imprese

02 332 750 369

REA

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## ANNEX I

DFSP-170M, DFSP-20M, DFSP-50M, DFSP-80M, DFSP-90M, DFSP-100M,  
DFSP-120M, DFSP-150M, DFSP-85M, FFSP-80M, FFSP-110M, FFSP-160M,  
FFSP-220M, FFSP-320M, FSP-80M, FSP-100M, FSP-120M, FSP-160M,  
FSP-200M, DSP-10M, DSP-20M, DSP-30M, DSP-40M, DSP-50M, DSP-60M,  
DSP-70M, DSP-80M, DSP-100M, DSP-120M, DSP-150M, DSP-160M, DSP-170M,  
DSP-200M, DSP-250M, DSP-270M, DSP-280M, DSP-300M, DSP-310M,  
DSP-320M, DSP-330M, DSP-340M, DSP-350M, DSP-380M, DSP-400M, DSP-10P,  
DSP-20P, DSP-30P, DSP-40P, DSP-50P, DSP-60P, DSP-70P, DSP-80P, DSP-100P,  
DSP-120P, DSP-150P, DSP-160P, DSP-200P, DSP-250P, DSP-260P, DSP-270P,  
DSP-280P, DSP-300P, DSP-310P, DSP-320P, DSP-330P, DSP-350P