

# CERTIFICATE OF CONFORMITY

Certificate No.: 16938-1S

Date Issued: December 22, 2020

Project No.: 20054

Certification System Type 3  
(ISO / IEC 17067)

Client No.: LC1231751

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



A handwritten signature in blue ink, which appears to read 'Kavinder Dhillon', is written over a horizontal line.

Issued by: \_\_\_\_\_  
Certification Manager

## Products:

- Solar Battery Charger
- Model Nos.:
  - SmartSolar MPPT150|45-tr; SmartSolar MPPT150|45-MC4;
  - SmartSolar MPPT150|60-tr; SmartSolar MPPT150|60-MC4;
  - SmartSolar MPPT150|70-tr; SmartSolar MPPT150|70-MC4;
  - SmartSolar MPPT150|85-tr; SmartSolar MPPT150|85-MC4;
  - SmartSolar MPPT150|100-tr; SmartSolar MPPT150|100-MC4;
  - SmartSolar MPPT250|60-tr; SmartSolar MPPT250|60-MC4;
  - SmartSolar MPPT250|70-tr ; SmartSolar MPPT250|70-MC4;
  - SmartSolar MPPT250|85-tr; SmartSolar MPPT250|85-MC4;
  - SmartSolar MPPT250|100-tr; SmartSolar MPPT250|100-MC4
  - MPPT150|85 Tr VE.CAN; MPPT 150|85 MC4 VE.CAN;
  - MPPT150|100 Tr VE.CAN; MPPT 150|100 MC4 VE.CAN;
  - MPPT250|85 Tr VE.CAN; MPPT 250|85 MC4 VE.CAN;
  - MPPT250|100 Tr VE.CAN; MPPT 250|100 MC4 VE.CAN
  - MPPT150|45 Tr VE.CAN
  - MPPT150|60 Tr VE.CAN
  - MPPT150|70 Tr VE.CAN; MPPT 150|70 MC4 VE.CAN;
  - MPPT250|60 Tr VE.CAN
  - MPPT250|70 Tr VE.CAN; MPPT 250|70 MC4 VE.CAN

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:

Model Number	Max input voltage	Battery Voltage (V)	Max Power@ Batt 12V (W)	Max Power@ Batt 24V (W)	Max Power@ Batt 36V (W)	Max Power@ Batt 48V (W)	Rated charge current (A)
MPPT150 45-tr	150Vdc	12,24,36,48	650	1300	1950	2600	45
MPPT150 45-MC4	150Vdc	12,24,36,48	650	1300	1950	2600	45
MPPT150 60-tr	150Vdc	12,24,36,48	860	1720	2580	3440	60
MPPT150 60- MC4	150Vdc	12,24,36,48	860	1720	2580	3440	60
MPPT150 70-tr	150Vdc	12,24,36,48	1000	2000	3000	4000	70
MPPT150 70- MC4	150Vdc	12,24,36,48	1000	2000	3000	4000	70
MPPT150 85-tr	150Vdc	12,24,36,48	1200	2400	3600	4900	85
MPPT150 85- MC4	150Vdc	12,24,36,48	1200	2400	3600	4900	85
MPPT150 100-tr	150Vdc	12,24,36,48	1450	2900	4350	5800	100
MPPT150 100- MC4	150Vdc	12,24,36,48	1450	2900	4350	5800	100
MPPT250 60-tr	250Vdc	12,24,36,48	860	1720	2580	3440	60
MPPT250 60- MC4	250Vdc	12,24,36,48	860	1720	2580	3440	60
MPPT250 70-tr	250Vdc	12,24,36,48	1000	2000	3000	4000	70
MPPT250 70- MC4	250Vdc	12,24,36,48	1000	2000	3000	4000	70
MPPT250 85-tr	250Vdc	12,24,36,48	1200	2400	3600	4900	85
MPPT250 85- MC4	250Vdc	12,24,36,48	1200	2400	3600	4900	85
MPPT250 100-tr	250Vdc	12,24,36,48	1450	2900	4350	5800	100
MPPT250 100- MC4	250Vdc	12,24,36,48	1450	2900	4350	5800	100
MPPT150 85 Tr VE.CAN	150Vdc	12,24,36,48	1200	2400	3600	4900	85
MPPT150 85 MC4 VE.CAN	150Vdc	12,24,36,48	1200	2400	3600	4900	85
MPPT150 100 Tr VE.CAN	150Vdc	12,24,36,48	1450	2900	4350	5800	100
MPPT150 100 MC4 VE.CAN	150Vdc	12,24,36,48	1450	2900	4350	5800	100
MPPT250 85 Tr VE.CAN	250Vdc	12,24,36,48	1200	2400	3600	4900	85
MPPT250 85 MC4 VE.CAN	250Vdc	12,24,36,48	1200	2400	3600	4900	85
MPPT250 100 Tr VE.CAN	250Vdc	12,24,36,48	1450	2900	4350	5800	100
MPPT250 100 MC4 VE.CAN	250Vdc	12,24,36,48	1450	2900	4350	5800	100
MPPT150 45 Tr VE.CAN	150Vdc	12,24,36,48	650	1300	1950	2600	45
MPPT150 60 Tr VE.CAN	150Vdc	12,24,36,48	860	1720	2580	3440	60
MPPT150 70 Tr VE.CAN	150Vdc	12,24,36,48	1000	2000	3000	4000	70
MPPT150 70 MC4 VE.CAN	150Vdc	12,24,36,48	1000	2000	3000	4000	70
MPPT250 60 Tr VE.CAN	250Vdc	12,24,36,48	860	1720	2580	3440	60

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**Applicable requirements:**

- UL 1741: 2016 (Ed.2)
- CAN/CSA C22.2 No. 107.1-16 (Ed.4)

**Conditions of acceptability:**

- Unit shall be used indoor, unconditioned component in ambient temperature of -30°C to +60°C

**General Notes:**

- Refer to LC listing report no. 20054(16938-1S)\_Rev3