



Certificate of Conformity

Certificate: 16938-1S

Master Contract: LC 1231751

Project: 16938

Date Issued: March 25, 2018

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

Certification System Type 3
(ISO / IEC Guide 67)

The products listed below are eligible to bear the LabTest Certification Mark with adjacent indicator 'C' and 'US', and the subject area as shown below.



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

➤ 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

APPLICABLE REQUIREMENTS & SUBJECT AREA

- 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