



CERTIFICATION RECORD – CANADA / UNITED STATES

FILE NUMBER: LR1423

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Applicant Victron Energy B.V.
Torenallee 20, 5617 BC Eindhoven, Netherlands

Manufacturer Location Victron Energy B.V.
Torenallee 20, 5617 BC Eindhoven, Netherlands

Factory Location

PRODUCT CATEGORY:

LR1423-1: Component type Photovoltaic Battery Charge Controller

ELECTRICAL RATINGS

Model Number	Max input voltage (Vdc)	Battery voltage(V)	Max Power@PV 12V	Max Power@PV 24V(W)	Max Power@PV 36V(W)	Max Power@PV 48V(W)	Rated charge current(A)
MPPT75 10	75	Auto select:12/24	135	270	N/A	N/A	10
MPPT75 15	75	Auto select:12/24	200	400	N/A	N/A	15
MPPT100 15	100	Auto select:12/24	200	400	N/A	N/A	15
MPPT100 30	100	Auto select:12/24	440	880	N/A	N/A	30
MPPT100 50	100	Auto select:12/24	700	1400	N/A	N/A	50
MPPT150 35	150	Auto select: 12/24/36/48	500	1000	1500	2000	35
MPPT 150/45-Tr	150	Auto select:12/24/48 Manual select: 36	650	1300	1950	2600	45
MPPT 150/45-MC4	150	Auto select:12/24/48 Manual select: 36	650	1300	1950	2600	45
MPPT 150/60-Tr	150	Auto select:12/24/48 Manual select: 36	860	1720	2580	3440	60
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MPPT 150/70-Tr	150	Auto select:12/24/48 Manual select: 36	1000	2000	3000	4000	70
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MPPT 150 85 – Tr	150	Auto select:12/24/48 Manual select: 36	1200	2400	3600	4900	85
MPPT 150	150	Auto select:12/24/48	1200	2400	3600	4900	85



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85 – MC4		Manual select: 36					
MPPT 150 100 – Tr	150	Auto select:12/24/48 Manual select: 36	1450	2900	4350	5800	100
MPPT 150 100 - MC4	150	Auto select:12/24/48 Manual select: 36	1450	2900	4350	5800	100

Notes:



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Victron Energy B.V.

Report/ Application Number	Issue Date	Description																																																																																																
LR1423-1	April 12, 2017	Original report: Component type Photovoltaic Battery Charge Controller ELECTRICAL RATINGS																																																																																																
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Report No: LR1423-1	Issue Date: April 12, 2017
Issued By: Peter Hanses  PRIMARA Test- und Zertifizier GmbH	Reviewed By: George Shu  QPS Evaluation Services Inc
Customer Name: Victron Energy B.V.	Address: Torenallee 20, 5617 BC Eindhoven, Netherlands
Contents: Certificate of Conformity; Report: Pages 1 to 22; Photographs: Pages 23 to 59; Illustrations: Page 60	

SUBJECT

Component type Photovoltaic Battery Charge Controller, models MPPT 75/10, MPPT 75/15, MPPT 100/15, MPPT 100/30, MPPT 100/50, MPPT 150/35, MPPT 150/45-Tr, MPPT 150/45-MC4, MPPT 150/60-Tr, MPPT 150/60-MC4, MPPT 150/70-Tr, MPPT 150/70-MC4, MPPT 150/85-Tr , MPPT 150/85-MC4 , MPPT 150/100-Tr , MPPT 150/100-MC4.

APPLICABLE STANDARDS


- UL 1741, Standard for Safety Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources - Second Edition; Reprint with revisions through and including September 7, 2016
- CSA C22.2 NO. 107.1-16 Power conversion equipment, Fourth Edition

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MARKINGS

a) **On the Equipment Exterior:** The product is plainly marked in a permanent manner in a place where the details are readily visible after installation with the following:

- The "QPS Certification" Label;  the letter "C" must appear in the 8 o'clock position adjacent to the QPS Certification Mark and, the letters "US" must appear in the four o'clock position adjacent to the QPS Certification Mark, the qualifying statement "Electrical Safety" or the equipment standard number must appear directly below the Certification Mark or Label;
- Manufacturer's name or trademark or file number assigned by QPS;
- Model designation;
- Date code/serial number;
- Factory identification if more than one factory location;