



Certificate of Compliance

Certificate: 2304404

Master Contract: 159409

Project: 80032296

Date Issued: 2020-02-28

Issued To: Schneider Electric Solar Inc.
3700 Gilmore Way
Burnaby, British Columbia, V5G 4M1
Canada

Attention: Shetul Patel

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Issued by: Sylvain Lefebvre
Sylvain Lefebvre



PRODUCTS

CLASS – 5311 09 - POWER SUPPLIES Distributed Generation Power Systems Equipment
CLASS – 5311 89 - POWER SUPPLIES - Distributed Generation Power Systems Equipment - Certified to U.S. Standards

Maximum Power Point Tracking Solar Charge Controller, Model Conext MPPT 80 600, with an external MPPT Disconnect RS, fixed installation, permanently connected, ratings as follows:

| | | |
|-------------------------------|--------------------|---------------------|
| Model: | Conext MPPT 80 600 | Conext MPPT 100 600 |
| INPUT RATING: | | |
| Max PV Open Circuit Voltage: | 600 V dc | |
| Max PV Short Circuit current: | 28 A | 35 A |



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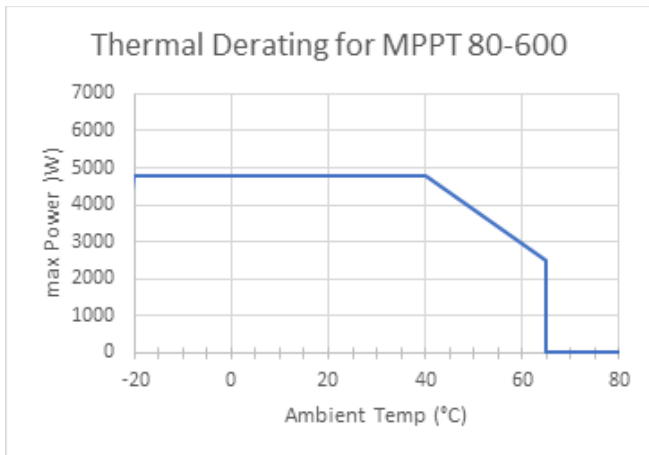
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| | | |
|--------------------------------|--------------------|---------------------|
| Model: | Conext MPPT 80 600 | Conext MPPT 100 600 |
| Range of Operating PV Voltage: | 200- 550 V dc | |
| Max. Input Current: | 23 A | 29 A |
| OUTPUT RATING: | | |

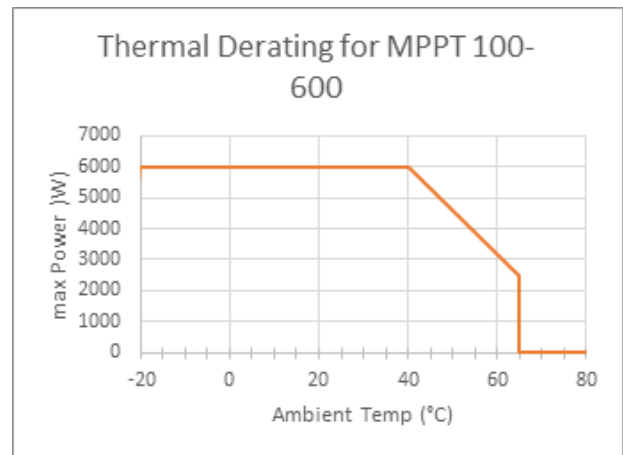
| | | |
|------------------------------------|------------------------------|----------|
| Nominal Battery Voltages: | 24 and 48 V dc | |
| Max. Output current: | 80 A dc | 100 A dc |
| Max Output Power: | 4800 W | b |
| Ambient Operating Temperature: | -20 to 65°C (40 °C derating) | |
| Model: | MPPT Disconnect RS | |
| Max. PV System Voltage: | 600 V dc | |
| Max. PV Current (Isc): | 2*32 A | |
| Control power input voltage range: | 22 to 60 V dc | |
| Control power input current max. : | 2 A | |
| Nominal Battery Voltage: | 48 Vdc | |
| Operating Temperature Range: | -20 °C to +50 °C | |
| Enclosure Type: | Type 1 | |
| PV Arc Fault Circuit Protection: | Type 1 | |

Notes:

1. The PV Rapid shutdown Initiator function has been evaluated by UL 1741CRD.
2. Derated operation for elevated ambient temperatures: rated 4800W/6000W from -20°C to 40°C and output power linearly derated to 2500W from 40°C to 65°C (unit may shut down above 65°C).
3. Indoor use only.



Graph 1: Derating curve for the MPPT 80-600.



Graph 2: Derating curve for the MPPT 100-600.



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APPLICABLE REQUIREMENTS

CSA C22.2 No. 107.1-16 - Power Conversion Equipment
CSA (LTR) No. AE-004-2015 - Rapid Shutdown System
CSA C22.2 No. 292-18 – DC arc fault protection for photovoltaic applications

UL 1741 - Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources (Second Edition, Revision Dated February 15, 2018)
UL 1741 CRD - PV Rapid Shutdown Systems (April 2, 2015)
UL 1699B - Outline of Investigation for Photovoltaic (PV) DC Arc-Fault Circuit Protection (Issue Number 2, January 14, 2013)



Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

| Project | Date | Description |
|----------------|-------------|--|
| 80032296 | 2020-02-28 | Update Report 2304404 to include alternate construction Quotation Assumption: Witness Testing at SE Solar in Burnaby by CSA Vancouver Representative. |
| 80012968 | 2019-09-18 | Update report 2304404 to add accessory box with rapid shutdown function and arc fault interruption function. Model. XW MPPT 80 600. Tested on site under WMTC program for 3 days. Documents required: (1) Detail product specification (2) CDF (Component Description Form) (3) Photos (4) Construction Drawing (5) Electrical Diagram (6) Nameplate and Warning Markings (7) Installation and Operation Instruction |
| 70143967 | 2017-06-30 | Update Report 2304404 to address CSA FIR. |
| 2653527 | 2013-08-22 | Update to correct busbar description. |
| 2454766 | 2011-10-04 | Update Report 2304404 to include alternate construction for output inductor. |
| 2304404 | 2010-10-04 | Maximum Power Point Tracking Solar Charge Controller, Model XW MPPT 80 600. (C/US) |