



Certificate of Compliance

Certificate: 70131735 (266909)

Master Contract: 266909

Project: 70161436

Date Issued: 2017-12-06

Issued to: Unirac
1411 Broadway NE
Albuquerque, New Mexico 87102
USA
Attention: Klaus Nicolaedis

The products listed below are eligible to bear the CSA Mark shown



Issued by: Michael Hoffnagle
Michael Hoffnagle

PRODUCTS

CLASS - C531302 - POWER SUPPLIES- PHOTOVOLTAICS--PV Racking

CLASS - C531382 - POWER SUPPLIES- PHOTOVOLTAICS-PV Racking and clamping systems-Certified to US Standards

Models: SM SOLARMOUNT Flush-to-Roof is an extruded aluminum rail PV racking system that is installed parallel to the roof in landscape or portrait orientations.

The systems listed are designed to provide bonding/grounding, and mechanical stability for photovoltaic modules. The system is secured to the roof with the L-Foot components through the roofing material to building structure. Modules are secured to the racking system with stainless steel mid clamps and Aluminum end clamps. The modules are bonded to the racking system with the stainless steel bonding mid clamps with piercing points. The system is grounded with 10 AWG copper wire to bonding/grounding lugs.

The grounding of the system is intended to comply with the latest edition of the National Electrical Code, to include NEC 250 & 690. Local codes compliance is required, in addition to national codes. All grounding/bonding connections are to be torqued in accordance with the Installation Manual and the settings used during the certification testing for the current edition of the project report.

The system may employ optimizers/micro-inverters and used for grounding when installed per installation instructions.



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Mechanical ratings:

Downward Design Load (lb/ft²)	113.4
Upward Design Load (lb/ft²)	50.4
Down-Slope Load (lb/ft²)	14.7

Conditions of acceptability: Installation is subject to acceptance of the local inspection authorities having jurisdiction. The certification of these products relates only to the methods of installation, bonding, and grounding as outlined in the Installation Manual for each product.

APPLICABLE REQUIREMENTS

- UL 2703 1st Edition - Mounting Systems, Moulding Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels
- LTR-AE-001-2012 - List of Technical Requirements for Photovoltaic Module and Panel Racking Systems

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The following markings appear on the rail by adhesive label:

1. Submitter's name and/or CSA Master Contract number "266909";
2. Model designation;
3. Manufacturing date;
4. System fire class rating/designation of information location in Installation Manual;
5. Design load rating/designation of information location in Installation Manual;

The following markings appear on the Mid clamp by stamping:

1. Submitter's name and/or CSA Master Contract number "266909";
2. Model designation;
3. CSA mark
4. Mil ID for factory location



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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
70161436	2017-12-06	The report was updated to add additional modules to the list of modules after reviewing for compatibility and similarity to previously listed modules with similar characteristics. Updated a component number and client updated install manual. No testing was required.
70131735	2017-09-20	Original transfer project from TUV Rheinland PTL to CSA. TUV report numbers: 31440029.001, 31440029.002, 31440029.003, 31440029.004, 31440029.005, 31440029.006, CDF31440029.006, R1-URC140731-SM, R1-URC150911
70143126	2017-09-20	Add new mid and end clamps, add L-Foot manufacturer, and N-S bonding clip from ETL report 102675852LAX-001. Testing and evaluation to add Canadian certification, AE-001-2012 for adding Canada to racking systems. Done in conjunction with original transfer project.