



Certificate of Compliance

Certificate: 70176825

Master Contract: 266909

Project: 70218416

Date Issued: 2019-05-15

Issued To: Unirac
1411 Broadway NE
Albuquerque, New Mexico, 87102
United States

Attention: Klaus Nicolaedis

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: *Uday Singh*
Uday Singh

PRODUCTS

CLASS - C531302 - POWER SUPPLIES - PHOTOVOLTAICS-PV Racking and clamping systems
CLASS - C531382 - POWER SUPPLIES - PHOTOVOLTAICS-PV Racking and clamping systems -
Certified to US Standards

Model: GFT Ground Fixed Tilt is a Roll-Formed Steel and extruded aluminum rail PV racking system that is ground mounted in portrait orientation.

The racking system listed is designed to provide bonding/grounding, and mechanical stability for photovoltaic modules. Racking system is secured to the ground with roll-formed steel piles. Modules are secured to the racking system with stainless steel or aluminum mid clamps and Aluminum end clamps. The modules are bonded to the racking system with 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.

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. Mechanical ratings only applicable to the platform structure of the racking system.

APPLICABLE REQUIREMENTS

- UL 2703-1st Edition - Mounting Systems, Mounting 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.

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 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.

The following markings appear on the rail by adhesive label:

1. Submitter's name;
2. Model designation;
3. Manufacturing date;
4. 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. CSA mark
3. Mil ID for factory location

Nameplate adhesive label material approval information:

SATO AMERICA INC, SF401 DuraMark Polyester, MH48415 - Printing Materials – Component, UL 969-Marking and Labeling Systems



Supplement to Certificate of Compliance

Certificate: 70176825

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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
70218416	2019-05-15	Updated report 70176825 to add 20 PV module manufacturers to approved PV list. Client supplied frame samples. Updated installation instructions with PV list, no testing required.
70176825	2018-04-19	Original transfer project from TUV Rheinland PTL to CSA. TUV report numbers: 31681641.001, 31681641.002, 31681641.003, CDF31681641.003. Project 70176824, TIS analysis performed to qualify the platform only of the GFT racking system (Modules, Module Clamps, and Rail).