



**Powers Solar Frames, LLC**

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## Gator Clamp PV Modular Rack Mounting System

### 1.0 RECOGNITION

Gator Clamp PV Modular Rack Mounting System recognized in this report has been evaluated for use as mounting system. The electrical bonding of the Powers Solar Frames, LLC Gator Clamp complies with the intent of the provisions of the following standard:

- Sections 13,17,18 and 22 of the UL 2703, Standard of Mounting Systems, Clamping / Retention Devices, Ground Lugs for use with Flat-Plate Photovoltaic Modules and Panels (approved 2015).

### 2.0 LIMITATIONS

Use of the Gator Clamp PV Modular Rack Mounting System recognized in this report is subject to the following limitations:

**2.1** The Gator Clamp PV Modular Rack Mounting System shall be installed in accordance with the applicable standard, the manufacturer's published installation instructions, and this report. Where there is a conflict, the more restrictive requirements shall govern.

**2.2** The system components recognized in this report is produced by POWER Solar Frames in Phoenix AZ 85040.

**2.3** This listing is for installation of the Ground mounted Systems only.

**2.4** The Gator Clamps are evaluated for bonding only

**2.5** The Gator Clamp PV Modular Rack Mounting System mounting system has not been evaluated for grounding. The grounding shall be in accordance with NFPA 70, NEC 250 and NEC 690 Solar Photovoltaic systems as well as CSA C 22.2 safety standards and all applicable jurisdictions electrical codes.

**2.6** Fire safety class not tested and is beyond the scope of this listing.

**2.7** Mechanical loads not tested and is beyond the scope of this listing. Other means shall be utilized for load transfer.

**2.8** This listing is limited to the Ground mount system only.

**2.9** The polymeric material is not used in design.

### 3.2 PRODUCT USE

**3.1 General:** The Gator Clamp attaches and electrically bonds the Solar Module to the PV Modular Rack Mounting System.

**3.2 Design:** For the mounting/bonding of Gator Clamp PV Modular Rack Mounting System complying with UL 2703.

**3.2.1** This listing is limited to direct current (DC) with maximum system voltage of 1,000 Volts.

**3.2.2** This listing is for 30 A(Ampere) overcurrent protection.

**3.2.3** Use for structural purposes is beyond the scope of this listing.

### 3.3 Installation:

**3.3.1 Installation General:** installation details are as per standards provided by Power Solar Frames.

**3.3.2** The solar panels are installed in ground mounted ballasted systems per sample plans as provided by the manufacturer. The scope of this listing is for ground mounted systems only.

**3.3.3** Gator Clamp PV Modular Rack Mounting System are intended for single use and shall not be reused.

**3.3.4 Design and Installation:** Installation of the Gator Clamp PV Modular Rack Mounting System shall be in accordance with the applicable published Manufacturing Standards, published Installation instructions and this listing report. A copy of this report and Powers Solar Frames, LLC Installation Instructions Manual dated 2018-0223 shall be available on the jobsite at all times for quality control purposes.

**3.3.5** Bonding applications require a minimum of four Gator Clamps per module.

**3.3.6** Painting of the Gator Clamp PV Modular Rack Mounting System is not permitted.



The product described in this Uniform Evaluation Service (UES) Report has been evaluated as an alternative material, design or method of construction in order to satisfy and comply with the intent of the provision of the code, as noted in this report, and for at least equivalence to that prescribed in the code in quality, strength, effectiveness, fire resistance, durability and safety, as applicable, in accordance with IBC Section 104.11. This document shall only be reproduced in its entirety.



# LISTING REPORT

Number:

**UEL-5038**

Originally Issued: 06/12/2020

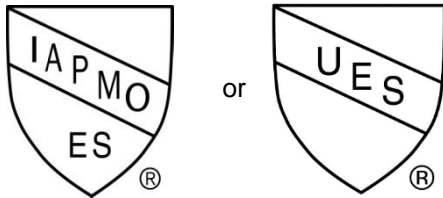
Valid Through: 06/30/2021

## 4.0 PRODUCT DESCRIPTION:

The metal Gator Clamp attaches and bonds the Solar Module to the PV Modular Rack Mounting System. Illustrations are in Figures 1 and 2 of this report.

## 5.0 IDENTIFICATION

POWER Solar Frames Gator Clamp PV Modular Rack Mounting System is identified by the name and trademark, product name and listing report number (UEL-5038). The identification includes the IAPMO Uniform Evaluation Service Mark of Conformity. Either Mark of Conformity may be used as shown below:



IAPMO UES UEL-5038

## 6.0 SUBSTANTIATING DATA

UL 2703 2015

## 7.0 STATEMENT OF RECOGNITION

This listing report describes the results of research carried out by IAPMO Uniform Evaluation Service on POWER Solar Frames PV Modular Rack Mounting System to assess conformance to the codes shown in Section 1.0 of this report and serves as documentation of the product certification. Products are manufactured at locations noted in Section 2.2 of this report under a quality control program with periodic inspections/Process audits are under the supervision of IAPMO UES by Smith Emery Laboratories, (AA-554)

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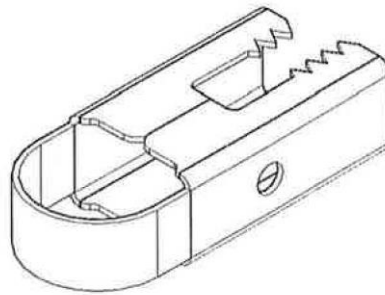
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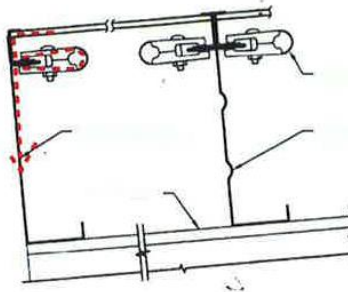
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**Figure 1. Gator Clamp**



**Figure 2. Diagram showing the bounding path**

**Bonding to frames to be determined by electrical installer and shall adhere to NEC NFPA 70, Article 698**