

| 1.0 Reference and Address | | | |
|---------------------------|---|------------------------------|---|
| Report Number | 101194906MPK-003 | Original Issued: 20-Aug-2013 | Revised: 26-May-2015 |
| Standard(s) | UL Subject 2703 Outline of Investigation for Rack Mounting Systems and Clamping Devices for Flat-Plate Photovoltaic Modules and Panels, Issue Number:1, October 4, 2010 | | |
| Applicant | Quick Mount PV | Manufacturer | Quick Mount PV |
| Address | 2700 Mitchell Dr. Bldg. 2 Walnut Creek, CA 94598 | Address | 2700 Mitchell Dr. Bldg. 2 Walnut Creek, CA 94598 |
| Country | USA | Country | USA |
| Contact | Duane Menton, Christopher Lewis, Peter Deutsch | Contact | Duane Menton, Christopher Lewis, Peter Deutsch |
| Phone | (925) 478-8269 | Phone | (925) 478-8269 |
| FAX | (925) 478-8765 | FAX | (925) 478-8765 |
| Email | duane.menton@quickmountpv.com, christopher.lewis@quickmountpv.com , peter.deutsch@quickmountpv.com | Email | duane.menton@quickmountpv.com, christopher.lewis@quickmountpv.com, peter.deutsch@quickmountpv.com |
| Legal Name | Wencon Development, Inc. | | |

| 2.0 Product Description | |
|-------------------------|--|
| Product | Solar Panel Rack Mounting System |
| Brand name | Quick Rack |
| Description | <p>The product covered by this report is an on-roof PV module racking system from Quick Mount PV. The system is primarily composed Aluminum components, while stainless steel hardware torqued to specific values electrically bond all module frames to the system. Aluminum Short Clamps, Long Clamps and Panel Clamps with integrated stainless steel set screws/pins penetrate the anodized aluminum frames of listed PV modules in order to electrically bond the modules to the racking systems. The Quick Rack system is intended to be roof-mounted, it is non-integral and must be mounted over a fire resistant roof covering material. The Quick Rack system is attached to the roof using a lag screw and a sealing washer through the QBlock slider of the base mount assembly. The method of securement of the rack system to the roof is not part of this listing. An installation instruction manual is provided. The rack system is not fully assembled from the factory; the system ships in subassemblies and is field assembled. The instructions are detailed to facilitate total assembly of the product. This product includes the solar panel rack system and does not include the PV modules that mount within it. The PV modules used with the solar panel rack system shall be certified Listed PV modules, under UL1703. The Solar Panel Rack Systems are intended to be used with ET Solar, Yingli Solar, Trina Solar, LG Electronics, Hyundai, Suniva, BenQ Solar, Canadian Solar, ReneSola and Hanwha Solar, and SolarWorld PV modules with frames of profile as shown in illustration 1.</p> <p>The grounding of the entire system is intended to be in accordance with the latest edition of the National Electrical Code, including NEC 250: Grounding and Bonding, and NEC 690: Solar Photovoltaic Systems. Any local electrical codes must be adhered in addition to the national electrical codes. An entire array, regardless of size, is grounded via one IlSCO ground lug placed on any top slider of the base mount assembly.</p> |
| Models | Quick Rack |
| Model Similarity | NA |
| Ratings | Maximum Series Fuse Rating: 20 A |

2.0 Product Description

Other Ratings

Modules can be placed in portrait and landscape orientation.
Maximum Number of Panels: 30 x 10 (Landscape); 50 x 6 (Portrait), a total of 300 modules max.

Racking system is intended to be used with ET Solar Listed PV modules with max. module length and width up to 65 1/16 inch X 39 1/16 inch with mill and black finish aluminum frames with height equal to 1.57 inch (40 mm) and nominal thickness equal to 2.0 mm. See Illustration 1.

Racking system is intended to be used with Yingli Solar Listed PV modules with max. module length and width up to 1650 mm X 990 mm with mill and black finish aluminum frames with height equal to 1.57 inch (40 mm) and nominal thickness equal to 1.3 - 1.5 mm. See Illustration 1.

Racking system is intended to be used with Yingli Solar Listed PV modules with max. module length and width up to 1650 mm X 990 mm with mill and black finish aluminum frames with height equal to 1.38 inch (35 mm) and nominal thickness equal to 1.9 mm. See Illustration 1.

Racking system is intended to be used with Trina Solar and LG Electronics Listed PV modules with max. module length and width up to 1650 mm X 992 mm (Trina) and 1640 mm X 1000 mm (LG) respectively with mill and black finish aluminum frames with height equal to 1.38 inch (35 mm) and nominal thickness equal to 1.5 mm. See Illustration 1.

Racking system is intended to be used with Hyundai Listed PV modules with max. module length and width up to 1645 mm X 983 mm with mill and black finish aluminum frames with height equal to 1.38 inch (35 mm) and nominal thickness equal to 1.8 mm. See Illustration 1.

Racking system is intended to be used with Suniva Listed PV modules with max. module length and width up to 1652 mm X 982 mm with mill and black finish aluminum frames with height equal to 1.57 inch (40 mm) and nominal thickness equal to 1.9 mm. See Illustration 1.

Racking system is intended to be used with Solar World Listed PV modules with max. module length and width up to 1675 mm X 1001 mm with mill and black finish aluminum frames with height equal to 1.3 inch (33 mm) and nominal thickness equal to 1.2-1.3mm See Illustration 1.

2.0 Product Description

| | |
|--|--|
| <p>Other Ratings (Contd.)</p> | <p>Racking system is intended to be used with BenQ Solar and Canadian Solar Listed PV modules with max. module length and width up to 1639 mm X 983 mm with height equal to 1.57 inch (40 mm) and nominal thickness equal to 1.4 - 1.5 mm. See Illustration 1.</p> <p>Racking system is intended to be used with ReneSola Listed PV modules with max. module length and width up to 1641 mm X 993 mm with with height equal to 1.57 inch (40 mm) and nominal thickness equal to 1.5 - 1.8 mm. See Illustration 1.</p> <p>Racking system is intended to be used with Hanwha Solar Listed PV modules with max. module length and width up to 1636 mm X 988 mm height equal to 1.57 inch (40 mm) and nominal thickness equal to 1.5 mm. See Illustration 1.</p> |
|--|--|