



Listing Constructional Data Report (CDR)

1.0 Reference and Address			
Report Number	101194906MPK-003	Original Issued: 20-Aug-2013	Revised: 15-Aug-2016
Standard(s)	UL 2703 Standard for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels, Edition 1, January 28, 2015		
Applicant	Quick Mount PV	Manufacturer	Quick Mount PV
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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 Yingli Solar, Trina Solar, LG Electronics, Hyundai, Suniva, ReneSola, Phono Solar, Winaico, Axitec and SolarWorld PV modules with frames listed in Table 1 and of profile 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 llSCO ground lug placed on any top slider of the base mount assembly.</p> <p>The Quick Rack system has been tested in combination with Quick Mount PV's Accessory Frame Bracket and Enphase's Frame Mount provided by Quick Mount PV or Enphase Energy. These products are recognized components of Quick Mount PV's Quick Rack system.</p> <p>Enphase micro-inverters and Engage Cable may be used to ground Quick Rack system in place of grounding lug if there are a minimum of 3 PV modules connected to the same Engage Cable while all bonded together into a single array. Microinverters must be mounted with QMPV or Enphase Frame Mount per the suppliers instructions.</p>
Models	Quick Rack
Model Similarity	NA

2.0 Product Description		
Ratings	Maximum Series Fuse Rating: 20 A	
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. Maximum downward pressure 50 psf allowable load. Maximum upward pressure 35 psf allowable load. Maximum down-slope load 23.4 psf allowable load.	
	PV Modules Mechanically Load Tested and Grounding/Bonding Tested with QMQR Quick Rack Per UL 2703 Ed.1	
	Module manufacturer	Model numbers
	Note: Module wattage is represented by XXX in product codes	
	Axitec AXI Power, Power Black	AC-XXXP/156-60S
	Axitec AXI Premium	AC-XXXM/156-60S, AC-XXXM/156-60S
	Axitec AXI Plus SE, Plus SE Black	AC-XXXP/156-60S, AC-XXXM/156-60S
	Canadian Solar	CS6P-XXXP, CS6P-XXXM, CS6P-XXXM All Black
	Hyundai Solar RG-Series	HiS-MXXXRG, HiS-SXXXRG
	Hyundai Solar MF-Series	HiS-SXXXMF
	Hyundai Solar MG-Series	HiS-MXXXMG, HiS-SXXXMG
	LG Solar Mono X	LGXXS1C-G3, LGXXS1C-A3, LGXXS1C-B3, LGXXS1K-G3, LGXXS1K-A3, LGXXS1K-B3, LGXXS1C-G4
	LG Solar Mono X NeON	LGXXN1C-G3, LGXXN1C-A3, LGXXN1C-B3, LGXXN1K-G4, LGXXN1C-G4
	LG Solar Mono X Ace Module	LGXXA1C-B3, LGXXA1C-G4,
	Phono Solar Diamond Series	PSXXP-20/U, PSXXM-20/U
	Phono Solar Onyx Series	PSXXP-20/U, PSXXM-20/U
	Renesola 156 Series	JCXXS-24/Bb, JCXXF-24/Bb-b, JCXXS-24/Bb-b Note: Same dimensions and same frame profiles, different electronics design
	Renesola Clarus	JCXXM-24/Bb
	Renesola Virtus	JXXM-24/Bbv,
	Renesola Virtus II	JCXXM-24/Bb, JCXXM-24/Bbh
	SolarWorld Sun Module Pro Series Poly	SWXXX POLY
	SolarWorld Sun Module Plus Mono, Plus	SWXXX-MONO, SWXXX-MONO BLACK
	Suniva Optimus Series 35mm	Black OPT XXX-60-4-1B0, Black OPT XXX-60-4-1B1, Silver OPT XXX-60-4-100, Silver OPT XXX-60-4-101
	Suniva Optimus Series 40mm	Black OPT XXX-60-4-1B0, Silver OPT XXX-60-4-100
	Trina Solar	TSM-XXX-PA05.05, TSM-XXX-PA05.08, TSM-XXX-PD05.05, TSM-XXX-PD05.08
	Winaico WST-P6 Series	WST-XXXP6
	Yingli Solar YGE 60 Cell	YLXXP-29b 35mm