

1.0 Reference and Address			
Report Number	101786065LAX-001	Original Issued: 25-Nov-2014	Revised: 16-Feb-2018
Standard(s)	Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels [UL 2703: 2015 Ed.1]		
Applicant	<u>Quick Mount PV</u>	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	Benjamin Kuttesch Duane Menton	Contact	Benjamin Kuttesch Duane Menton
Phone	(925) 478-8847 (925) 478-8743	Phone	(925) 478-8847 (925) 478-8743
FAX	(925) 478-8765	FAX	(925) 478-8765
Email	ben.kuttesch@quickmountpv.com duane.menton@quickmountpv.com	Email	ben.kuttesch@quickmountpv.com duane.menton@quickmountpv.com
Legal Name	Wencon Development, Inc.		

2.0 Product Description	
Product	Photovoltaic Racking System QRail - Installed Using Quick Mount PV's QRail Series Installation Manual, Feb-2018 Rev 2
Brand name	Quick Mount PV
Description	<p>The product covered by this report is a photovoltaic roof racking system. This system is designed to be installed on pitched roofs. QRail Series consists of aluminum support rails and top-down clamping hardware. It allows for both portrait and landscape installation of the modules. This model is intended to be used with four top-down clamps to secure a UL 1703 Listed framed PV module and the required electrical bond between the anodized PV module frame and the QRail is accomplished by the use of QClick TechnTechnology PV mid clamps with bonding plates and by the use of QClick Technonlogy End Clamps are available with and without Ground Clip to address bonding when necessary.</p> <p>This system is in compliance with the bonding and grounding portions of UL 2703. Fire testing was performed on this system and the ratings are shown below.</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 ground lug (WEEB-8.0 or 8.2) placed on the QRail of this roof system.</p> <p>This product investigation was performed only with respect to specific properties, a limited range of hazards, or suitability for use under limited or special conditions. The following risks and other properties of this product have not been evaluated: electric shock, Ultraviolet and light exposure.</p>
Models	QRail
Model Similarity	NA
Ratings	<p>Fuse rating: 20A Fire Class Resistance Rating: - Class A for Steep Slope Applications when using Type 1 , Listed Photovoltaic Module. - Class A for Steep Slope Applications when using Type 2 , Listed Photovoltaic Module.</p> <p>Mechanical Load ratings: Downward Pressures – 10 psf Upward Pressure – 5 psf Down-Slope Load – 5 psf</p> <p>UL 2703 Design Load Rating: Maximum Module Size: 17.55 ft² **Hyundai HiS-S270RG(BK) (270W) used for Mechanical Load Test"</p> <p>Mechanical Load ratings: To add QRail Light</p> <p>Downward Pressures – 10 psf Upward Pressure – 5 psf Down-Slope Load – 5 psf</p> <p>UL2703 Design Load Rating: Maximum Module Size: 20.9 ft² **Solarworld 72 cells** used for Mechanical Load Test"</p> <p>Downward Pressures – 10 psf Upward Pressure – 5 psf Down-Slope Load – 5 psf</p>
Other Ratings	NA

7.0 Illustrations	
Illustration 1- Other ratings	
Evaluated Module List- xxx= Power output	
Manufacturer	Model
Boviet	BVM6610M-xxx, BVM6610P-xxx
Canadian Solar	CS6P-xxx, CS3U-P, Cs3U-MS, Cs3K-P, CS3K-MS, CS6K-xxxMS, All-BLACK CS6K-xxxMS, CS6U-xxxM, 1500V CS6U-xxxM, CS6U-xxxP, 1500V CS6U-xxxP, CS6X-xxxP, ALL-BLACK CS6K-xxxM, CS6K-xxxM, 1500V CS6K-xxxM, CS6K-xxxP, 1500V CS6K-xxxP, CS6P-xxxP
Conergy	PowerPlus xxx
ET Solar	ET-M660xxxBB, ET-M660xxxWW/WB, ET-P660xxxBB, ET-P660xxxWW/WB
Hanwha Q Cells	Q Pro xxx
Hyundai	HIS-MxxxRG, HIS-SxxxRG
Jinko	60 cell modules: 60 JKMxxx-P-60, 60 JKMxxx-P-60B, 60 JKMxxxPP-60, 60 JKMxxxPP-60B, PERC 60 JKMxxxM-60, Plus JKMxxxPP-60(Plus), JKMxxxP-60-J4, JKMxxxP60B-J4, Black JKMxxxPP-60-J4, JKMxxxPP60B-J4, 1500V 60 JKMxxxPP-60-V, 1500V 60 JKMxxxM-60-V, Jinko MX60 JKMSxxxP, MX JKMSxxxPP-60, JKMxxxM-60B, JKMxxxM-60-J4, JKMxxxM60B-J4, JKMSxxxP-60, JKMSxxxP-60-J4, JKMSxxxM-60, JKMSxxxM-60-J4, JKMSxxxPP-60-J4, JKMSxxxPP-60, JKMSxxxM-60B-EP 72 cell modules: JKMxxP-72
Mission Solar	MSExxxSO5K, MSExxxSO5T, MSExxxSO6J, MSExxxSO4J, MSExxxMM6J, MSExxxSQ5K, MSExxxSQ5T, MSExxxSQ6S, MSExxxSQ4S
Seraphim Solar	SPR-xxx-6MA, SRP-xxx-6PA, SRP-xxx-6MB, SRP-xxx-6MB-BB, SRP-xxx-6PB.
SolarWorld	Sunmodule Plus SWA xxx poly (black/clear), Plus SWA xxx mono (black/clear), SWA xxx XL mono (black/clear), SWA xxx XL poly (black/clear), Bisun SWA xxx XL duo (black/clear)
Suniva	OPTXXX-60-4-1B0
SunPower	SPR-X21-XXX, SPR-E20-XXX
Trina	60 cell module: TSM-PD05.08-XXX, 72 cell modules: TSM-PD14-XXX ALLMAX-PD05.05, ALLMAX M Plus-DD05A.05 (II)- ALLMAX-PD05A.08, TSM-DD14A (II)- and TSM-DE14A (II)-
Yingli	72 cell module: YL-XXX-35B, 60 cell module: YL-XXX-29B
LG	LG: A5 S2W
REC	60 cell modules: REC TwinPeak 2 Series (BLK), RC TwinPeak 2 BLK2 Series, REC N-Peak
Sonali Solar	SS 230W to 265W- 280W to 320W Series
Silfab	SLA X, SLA-M XXX, SLA-P XXX, SLG-P, SLG-M/SLG X, SSA-M/SSA-P, SSG-M/SSG-P All silver frame