



TÜV Rheinland PTL

# Certificate

Certificate no.

US 82160020 01

**License Holder:**

Unirac Inc.  
1411 Broadway NE  
Albuquerque NM 87102  
USA

**Manufacturing Plant:**

Unirac Inc.  
1411 Broadway NE  
Albuquerque NM 87102  
USA

Test report no.: USA- 31540006 003

Client Reference: Tom Young

Tested to: UL 2703:2015

**Certified Product:** Module Rack Mounting System

**License Fee - Units**

Model Designation: Unirac Roof Mount (RM)

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Maximum System Voltage of PV Module: 1000 VDC

Maximum Overcurrent Protection Rating of PV Module: 30 A

Fire Rating: Class A when installed with

Type 1, 2, or 3 fire rated modules.

Consult installation guide for any mitigation requirements  
in order to meet the fire rating.

(continued)

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Appendix: 1,1-4

**Licensed Test mark:**



**Date of Issue**

(day/mo/yr)

30/09/2016



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**License Fee - Units**

(continued)

7

Modules Qualified for Mechanical Load:

Design Load (psf)

Down-

SunPower SPR-327NE-WHT-D

Pos. Neg. Slope

50 15 N/T

(N/T = not tested)

Modules from the same series with same frame are qualified if their area is less than or equal to test module area.

Maximum Size of PV Module: 61.4" long and 41.2" wide

(continued)

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Appendix: 1,1-4

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**License Fee - Units**

(continued)

7

Frame Types Evaluated & Verified for Electrical Bonding:

AU Optronics	PM Series
Canadian Solar	CS5A-M, CS6P-M, CS6P-P, CS6X-P,
	CS6K-MS, CS6K-M, CS6K-P, CS6U-M, CS6U-P
Centrosolar America	C-Series, E-series
ET Solar	ET Module, ET AC Module
Flex	FXS 60
Hanwha SolarOne	HSL60, HSL72
Hyundai Heavy Industries	MI Series, MG Series
JA Solar	JAP6 60, JAP6 72

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Appendix: 1,1-4

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**License Fee - Units**

(Electrical Bonding continued)

7

Jinko Solar	Standard
Kyocera	KD-F Series
LG Electronics	MONO X, MONO NEON
Phono Solar Technology	Standard Modules
REC	Peak, Echo
Renesola	All 60 cell modules
Sharp	ND-24COCI, ND-25COCS, ND-0235F4, ND-F40300
SolarWorld	Sunmodule Protect, Sunmodule Plus

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Appendix: 1,1-4

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**License Fee - Units**

(Electrical Bonding continued)

7

Sun Edison	F-Series, R-Series
Suniva	Optimus Series, MV Series
SunPower	X-Series, E-Series, Sig Black, AC
Suntech	STP Series
Trina	PA05, PD05, PD14
Yingli	Panda 60, YGE-U 72, YGE-60, YGEZ-60

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