Tesla

Photovoltaic Module

T420S, T425S, and T430S

Maximum Power

The Tesla module is one of the most powerful residential photovoltaic modules available. Our system requires up to 20 percent fewer modules to achieve the same power as a standard system. The module boasts a high conversion efficiency and a half-cell architecture that improves shade tolerance.

Beautiful Solar

Featuring our proprietary Zep Groove design, the all-black module connects easily with Tesla ZS components to keep panels close to your roof and close to each other for a blended aesthetic with simple drop-in and precision quarter-turn connections.

Reliability

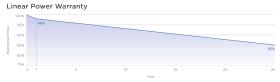
Tesla modules are subject to automotive-grade engineering scrutiny and quality assurance, far exceeding industry standards. Modules are certified to IEC / UL 61730 - 1, IEC / UL 61730 - 2 and IEC / UL 61215.



Limited Warranty

Materials and Processing 25 years Extra Linear Power Output 25 years

The maximum Pmax degradation is 2% in the 1st year and 0.54% annually from the 2nd to 25th year.



Module Specifications

Electrical Characteristics

Power Class	T4.	T420S		25S	T430S		
Test Method	STC	NOCT	STC	NOCT	STC	NOCT	
Max Power, P _{MAX} (W)	420	313.7	425	317.4	430	321.1	
Open Circuit Voltage, V _{oc} (V)	48.5	45.47	48.65	45.61	48.8	45.75	
Short Circuit Current, I _{SC} (A)	11,16	9.02	11,24	9.09	11,32	9,15	
Max Power Voltage, V _{NP} (V)	40.90	38.08	41.05	38.22	41.20	38.36	
Max Power Current, I _{HP} (A)	10,27	8,24	10.36	8.3	10.44	8.37	
Module Efficiency (%)	15	19.3		19.6		19.8	
STC		1000 W/m², 25°C, AM1.5					
NOCT			800 W/m². 20°C. AM	11.5. wind speed 1m/s			

Temperature Rating (STC)

Temperature Coefficient of Isc	+0.040%/°C
Temperature Coefficient of V _{oc}	-0.260% / °C
Temperature Coefficient of P _{Max} (W)	-0.331% / °C

Mechanical Loading

Front Side Design Load	3600 Pa 75 lb/ft²
Rear Side Design Load	1600 Pa 33 lb/ft²
Hailstone Test	25 mm Hailstone at 23 m/s

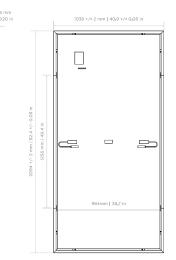


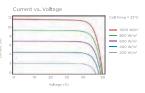
Mechanical Parameters

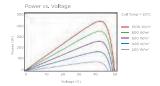
Cell Orientation	144 (6 x 24)
Junction Box	IP68, 3 diodes
Cable	4 mm² 12 AWG, 1400 mm 55.1 in. Length
Connector	Staubli MC4 or EVO2
Glass	3.2 mm ARC Glass
Frame	Black Anodized Aluminum Alloy
Weight	25.3 kg 55.8 lb
Dimension	2094 mm x 1038 mm x 40 mm 82.4 in x 40.9 in x 1.57 in

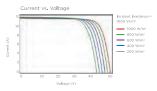
Operation Parameters

Operational Temperature	-40°C - +85°C
Power Output Tolerance	-0 /+5 W
V _{oc} & I _{sc} Tolerance	+/= 3%
Max System Voltage	DC 1000 V (IEC/UL)
Max Series Fuse Rating	20 A
NOCT	45.7 +/= 2°C
Safety Class	Class II
Fire Rating	UL Type 1 or 2









Tesla Photovoltaic Module - T420S, T425S, and T430S

Tesla Photovoltaic Module - T420S, T425S, and T430S

Power Optimizer

P370 / P401 / P404 / P485 / P500 / P505 / P601



PV power optimization at the module level

- Specifically designed to work with SolarEdge inverters
 Superior efficiency (99.5%)

/ Up to 25% more energy

- / Flexible system design for maximum space utilization
- Next generation maintenance with module-level
 Module-level voltage shutdown for installer and monitoring
 - firefighter safety
- / Mitigates all types of modules mismatch-loss, from / Fast installation with a single bolt manufacturing tolerance to partial shading



/ Power Optimizer

P370 / P401 / P404 / P485 / P500 / P505 / P601

OPTIMIZER MODEL (typical module compatibilty)	P370 (60&70 Cell modules)	P401 (60&70 Cell modules)	P404 (for 60-cell and 72 cell, short strings)	P485 (for high voltage modules)	P500 (for 96-cell modules)	P505 (for higher current modules)	P601 (for 1 x high power PV module)	UNIT
INPUT								
Rated Input DC Power ⁽¹⁾	370	400	405	485	500	505	600	W
Absolute Maximum Input Voltage (Voc at lowest temperature)	6	60	80	125	80	83	65	Vdc
MPPT Operating Range	8 -	- 60	12.5 - 80	12.5 - 105	8 - 80	12.5-83	12.5 - 65	Vdc
Maximum Short Circuit Current (Isc)	11	12.5	11		10.1	1	4	Adc
Maximum Efficiency		-		99.5				%
Weighted Efficiency			98	.8			98.6	%
Overvoltage Category				II				
OUTPUT DURING OPERATION	(POWER OP	TIMIZER COI	NNECTED TO	OPERATING	SOLAREDGE	INVERTER)		
Maximum Output Current				15				Adc
Maximum Output Vo l tage	6	60 80 60 80					0	Vdc
OUTPUT DURING STANDBY (PO	OWER OPTIM	ZER DISCON	NECTED FROM	1 SOLAREDG	E INVERTER	OR SOLARED	GE INVERTER	OFF)
Safety Output Voltage per Power Optimize	-			1 ± 0.1				Vdc
STANDARD COMPLIANCE	•							
EMC			FCC Part 15 Cla	s B, I EC61000-6-	-2, I EC61000-6-3			
Safety		IEC62109-1 (class II safety), UL1741						
RoHS				Yes				
Fire Safety			VDE-/	R-E 2100-712:20	013-05			
INSTALLATION SPECIFICATION	S							-
Maximum Allowed System Voltage				1000				Vdc
Dimensions (W x L x H)	129×153×27.5 /5.1×6×1.1	129×153×29.5 /5.1×6×1.16	129 x 153 x 42.5 / 5.1 x 6 x 1.7	129 x 159 x 49.5 /5.1 x 6.2 x 1.9	129×153×33.5 /5.1×6×1.3	129 x 162 x 59 / 5.1 x 6.4 x 2.3	129 x 153 x 52 / 5.1 x 6 x 2	mm / in
Weight (including cables)	655	/ 1.5	775 / 1.7	845 / 1.9	750 / 1.7	1064	/ 2.3	gr/ l b
Input Connector	MC4 ⁽²⁾ Single or Dual MC4 ⁽²⁾ MC4 ⁽²⁾							
Input Wire Length	0.16/0.52, 0.9/2.95 0.16/0.52							m/ft
Output Connector				MC4				
Output Wire Length			1.2 ,	3.9			1.4 / 4.5	m/ft
Operating Temperature Range ⁽⁴⁾			-40	to +85 / -40 to +	+185			°C / °F
Protection Rating	IP68							
Relative Humidity	0 - 100					%		

PV System Design Using a Solaredge Inverter (5)		Single Phase HD-WAVE Single Phase		Three Phase	Three Phase for 277/480V Grid	
Minimum String Length	P370, P401, P500 ^{IRI}		3	16	18	
(Power Optimizers)	P404, P485, P505, P601	6		14 (13 with SE3K ^{ர)})	14	
Maximum String Length (Power Optimizers)		25		50	50	
Maximum Nominal Power per String®		5700 5250		11250®	12750(10)	W
Parallel Strings of Different Lengths or Orientations				Yes		

⁽¹⁾ Rated power of the module at STC will not exceed the optimizer "Rated Input DC Power". Modules with up to +5% power tolerance are allowed.
(2) For other connector types please contact SolarEga,
(3) For dual yesholds for parallel connection of two modules use the P485. In the case of an odd number of PV modules in one string, installing one P485 dual version power optimizer connected to one PV module is supported. When connecting a single module, seal the unused input connection gain the supplied pair of seals of the properties of the properties provided by the properties provided by the provided pair of seals of the provided pair of the provi

Tailant Strings of University Control Technology (S) It is not allowed to mix PAID/PASS/PSOS/PSO1 with P370/PA01/PSO0 in one string

(S) It is not allowed to mix PAID/PASS/PSOS/PSO1 with P370/PA01/PSO0 in one string

(S) The P370/PA01/PSO0 cannot be used with the \$535 three phase inverter (available in some countries; refer to the three phase inverter (\$538-\$510K datasheet)

(T) Eactly 10 When using \$538-KPW000NMM

(S) If the inverters rated AC power S maximum nominal power per string, then the maximum power per string will be able to reach up to the inverters maximum input DC power Refer to that yellow yellow (and the power-power-pointmens-single-string-design-application-note pill

(9) For the 279/PAOS yell it is allowed to install up to 13,000W per string when the maximum power offirererce between each string is 2,000W

(10) For the 2774-PAOS yell it is allowed to install up to 15,000W per string when the maximum power offirererce between each string is 2,000W

Single Phase Inverter with HD-Wave Technology

for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US /







Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers
- Record-breaking efficiency
- Fixed voltage inverter for longer strings
- Integrated arc fault protection and rapid shutdown for
 Optional: Revenue grade data, ANSI C12.20 NEC 2014 and 2017, per article 690.11 and 690.12
- UL1741 SA certified, for CPUC Rule 21 grid compliance

- Extremely small
- / Built-in module-level monitoring
- Outdoor and indoor installation
- Class 0.5 (0.5% accuracy)



solaredge.com

/ Single Phase Inverter with HD-Wave Technology for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US/ SE7600H-US / SE10000H-US / SE11400H-US

	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US	
OUTPUT								
Rated AC Power Output	3000	3800 @ 240V 3300 @ 208V	5000	6000 @ 240V 5000 @ 208V	7600	10000	11400 @ 240V 10000 @ 208V	VA
Maximum AC Power Output	3000	3800 @ 240V 3300 @ 208V	5000	6000 @ 240V 5000 @ 208V	7600	10000	11400 @ 240V 10000 @ 208V	VA
AC Output Voltage MinNomMax. (211 - 240 - 264)	√	✓	√	✓	✓	√	✓	Vac
AC Output Voltage MinNomMax. 183 - 208 - 229)	-	*	-	V	-	-	✓	Vac
AC Frequency (Nominal)		59.3 - 60 - 60.5 ⁽¹⁾						
Maximum Continuous Output Current @240V	12.5	16	21	25	32	42	47.5	А
Maximum Continuous Output Current @208V	Ξ	16	-	24	-	-	48.5	А
GFDI Threshold		•		1				Α
Jtility Monitoring, Islanding Protection, Country Configurable Thresholds				Yes				
INPUT								
Maximum DC Power @240V	4650	5900	7750	9300	11800	15500	17650	W
Maximum DC Power @208V	-	5100	-	7750	-	-	15500	W
ransformer-less, Ungrounded				Yes				
Maximum Input Voltage				480				Vd
Nominal DC Input Voltage		31	80			400		Vd
Maximum Input Current @240V ⁽²⁾	8.5	10.5	13.5	16.5	20	27	30.5	Ad
Maximum Input Current @208V ⁽²⁾	-	9	-	13.5	-	-	27	Ac
Max. Input Short Circuit Current	45						Ac	
Reverse-Polarity Protection	Yes							
Ground-Fault Isolation Detection	600kp Sensitivity							
Maximum Inverter Efficiency	99 99.2							%
CEC Weighted Efficiency		99 @ 240V 99 98.5 @ 208V						%
Nighttime Power Consumption	< 2.5						W	
ADDITIONAL FEATURES								
Supported Communication Interfaces			RS485, Etherne	t, ZigBee (optional), 0	Cellular (optional)			Τ
Revenue Grade Data, ANSI C12.20				Optional ⁽³⁾				
Rapid Shutdown - NEC 2014 and 2017 690.12		Automatic Rapid Shutdown upon AC Grid Disconnect						
STANDARD COMPLIANCE								
Safety		UL1741,	, UL1741 SA, UL1699B,	. CSA C22.2, Canadiar	AFCI according to T.	I.L. M-07		
Grid Connection Standards	UL1741, UL1741 SA, UL1699B, CSA C22.2, Canadian AFCI according to T.I.L. M-07 IEEE1547, Rule 21, Rule 14 (HI)							
Emissions	FCC Part 15 Class B							
INSTALLATION SPECIFICATION	ONS							
AC Output Conduit Size / AWG Range	1" Maximum / 14-6 AWG 1" Maximum /14-4 AWG						n /14-4 AWG	Т
DC Input Conduit Size / # of Strings / AWG Range	1" Maximum / 1-2 strings / 14-6 AWG						strings / 14-6 AWG	
Dimensions with Safety Switch (HxWxD)	17.7 x 14.6 x 6.8 / 450 x 370 x 174 21.3 x 14.6 x 7.3 / 540 x 370 x 185						/ 540 x 370 x 185	in mr
Weight with Safety Switch	22 / 10 25.1 / 11.4 26.2 / 11.9 38.8 / 17.6				/ 17.6	lb/		
Noise		<	25			<50		dB
Cooling				Natural Convection				
Operating Temperature Range			-13 to +140 /	-25 to +60 ⁽⁴⁾ (-40°F /	-40°C option)(5)			°F/
Protection Rating	NEMA 4X (Inverter with Safety Switch)							

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A higher current source may be used; the inverter will limit its input current to the values stated.

Revenue grade inverter P/N: SExxxxH-US000NNC2

efer to: https://www.solaredge.com/sites/default/files/se-temperature-derating-note-na.pdf

pe.eaton.com

Eaton general duty non-fusible safety switch

DG221URB

UPC:782113120232

Dimensions:

Height: 10.81 INLength: 6.88 INWidth: 6.38 IN

Weight:6 LB

Notes:WARNING! Switch is not approved for service entrance unless a neutral kit is installed.

Warranties:

• Eaton Selling Policy 25-000, one (1) year from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.

Specifications:

• Type: Non-fusible, single-throw

• Amperage Rating: 30A

• Enclosure: NEMA 3R, Rainproof

• Enclosure Material: Painted galvanized steel

Fuse Configuration: Non-fusibleNumber Of Poles: Two-pole

• Number Of Wires: Two-wire

• Product Category: General duty safety switch

• Voltage Rating: 240V

Supporting documents:

- Eatons Volume 2-Commercial Distribution
- Eaton Specification Sheet DG221URB

Certifications:

• UL Listed

Product compliance: No Data



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SFM INFINITY



Take your business to the next level with **SFM** INFINITY, UNIRAC's rail-less PV mounting system for flush mount installations on comp shingle and tile roofs. An advanced 3rd generation product platform in use by top solar contractors nationwide, **SFM** INFINITY optimizes your operations on and off the roof, with approximately 40% less labor, 30% logistics savings, and 20% fewer roof attachments than traditional solar racking. Plus, 87% of homeowners prefer **SFM** INFINITY's aesthetics.



SUPERIOR PERFORMANCE Enhance your business with two installs per day

EASY INSTALLATIONPre-assembled components, 20% fewer roof attachments, and level array in seconds with post height adjustment.

HOMEOWNER PREFERRED

More than 4 out of 5 homeowners prefer SFM INFINITY'S aesthetics over a leading rail brand.

SFM INFINITY

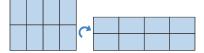
DESIGN GUIDELINES

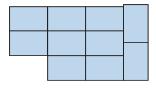


While you will see advantages simply from switching to **SFM** INFINITY, the following guidelines will help you to maximize its benefits.

DEFAULT TO LANDSCAPE

When possible, design in landscape orientation in order to fit more modules on the roof and minimize roof attachments.





MIX MODULE ORIENTATIONS

SFM INFINITY is easily configured in mixed array shapes and module orientations to maximize array density and to avoid vent pipes and other obstacles, Because mounting locations are not constrained by rails, SFM INFINITY has unmatched flexibility to enhance your projects.

CONSULT THE QUICK TIPS VIDEOS

Visit UNIRAC's mobile-friendly library of short, topic-specific videos which answer common questions and demonstrate how simple it is to install **SFM** INFINITY.

Ouick Tips Videos: https://unirac.com/SFM-Infinity/





DESIGN IN U-BUILDER

Layout your arrays in **U-Builder**, UNIRAC's free solar design software, to optimize **SFM** INFINITY'S capabilities, including mixing module orientations and minimizing roof attachments. Quickly create layouts on Google or Bing Maps and generate project documents.

U-Builder: https://design_unirac.com/

REVOLUTIONIZING ROOFTOP SOLAR

FOR QUESTIONS OR CUSTOMER SERVICE VISIT UNIRAC.COM OR CALL (505) 248-2702

REVOLUTIONIZING ROOFTOP SOLAR

FOR QUESTIONS OR CUSTOMER SERVICE VISIT UNIRAC, COM OR CALL (505) 248-2702

Report No. 102393982LAX-002 Unirac, Inc Page 2 of 107 Issued: 11-Apr-2016 Revised: 20-Mar-2019

2.0 Product Des	scription
Product	Photovoltaic Mounting System, Sun Frame Microrail - Installed Using Unirac Installation Guide, Rev PUB2019MAR01 with Annex North Row Extension Installation Guide Rev PUB2019FEB20
Brand name	Unirac
Description	The product covered by this report is the Sun Frame Micro Rail roof mounted Photovoltaic Rack Mounting System. This system is designed to provide bonding and grounding to photovoltaic modules. The mounting system employs anodized or mill finish aluminum brackets that are roof mounted using the slider, outlined in section 4 of this report. There are no rails within this product, whereas the 3" Micro Rail, Floating Splice, and 9" Attached Splice electrically bond the modules together forming the path to ground.
	The Micro Rails are installed onto the module frame by using a stainless steel bolt anodized with black oxide with a stainless type 300 bonding pin, torqued to 20 ft-lbs, retaining the modules to the bracket. The bonding pin of the Micro Rail when bolted and torqued, penetrate the anodized coating of the photovoltaic module frame to contact the metal, creating a bonded connection from module to module.
	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. The Grounding Lug is secured to the photovoltaic module, torqued in accordance with the installation manual provided in this document.
	Other optional grounding includes the use of the Enphase UL2703 certified grounding system, which requires a minimum of 2 micro-inverters mounted to the same rail, and using the same engage cable.
Models	Unirac SFM

 Report No. 102393982LAX-002
 Page 3 of 107
 Issued: 11-Apr-2016

 Unirac, Inc
 Revised: 20-Mar-2019

	cription
me acr cimilanty	NA
1	Fuse Rating: 30A Module Orientation: Portrait or Landscape Maximum Module Size: 17.98 ft² UL2703 Design Load Rating: 33 PSF Downward, 33 PSF Upward, 10 PSF Down-Slope
	Tested Loads - 50 psf/2400Pa Downward, 50psf/2400Pa Uplift, 15psf/720Pa Down Slope Trina TSM-255PD05.08 and Sunpower SPR-E20-327 used for Mechanical Loading
	Increased size ML test: Maximum Module Size: 22,3 ft²
	UL2703 Design Load Rating: 113 PSF Downward, 50 PSF Upward, 30 PSF Down-Slope LG355S2W-A5 used for Mechanical Loading test.
	Mounting configuration: Four mountings on each long side of panel with the longest span of 24"
Ratings	UL2703 Design Load Rating: 46.9 PSF Downward, 40 PSF Upward, 10 PSF Down-Slope LG395N2W-A5, LG360S2W-A5 and LG355S2W-A5 used for used for Mechanical Loading test.
	Mounting configuration: Six mountings for two modules used with the maximum span of 74.5"
	Fire Class Resistance Rating:
-	- Class A for Steep Slope Applications when using Type 1 Modules. Can be installed at any interstitial gap. Installations must include Trim Rail.
	- Class A for Steep Slope Applications when using Type 2 Modules. Can be installed at any interstitial gap. Installations must include Trim Rail.
	 Class A Fire Rated for Low Slope applications with Type 1 or 2 listed photovoltaic modules. This system was evaluated with a 5" gap between the bottom of the module and the roof's surface
	See section 7.0 illustraction # 1 and 1a for a complete list of PV modules evaluated with these racking systems
Other Ratings	NA

ED 16.3.15 (20-Apr-17) Mandatory



Address:

AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant: Unirac, Inc Manufacturer: Cixi Emeka Aluminum Co. Ltd

1411 Broadway Blvd NE No. 688 ChaoSheng Road

Albuquerque, NM 87102

Address: Cixi City

Zhejiang Province 315311

Country: USA Country: China
Contact: Klaus Nicolaedis Contact: Jia Liu
Contact: Contact: Dabiel

ontact: Tom Young Contact: Robin Luo

Phone: 505-462-2190 Phone: +86-15267030962 +86-13621785753

FAX: NA FAX: N klaus.nicolaedis@unirac.com ::

Email: toddg@unirac.com Email: jia.liu@cxymj.com buwan.luo@cxymj.com

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Lake Forest, CA U.S.A.

Control Number: 5003705 Authorized by:



This document supersedes all previous Authorizations to Mark for the noted Report Number.

This Authorization to Mark is for the exclusive use of Ineterle's Clert and is provided pursuant to the Certification agreement between theteke and its Client, Ineterle's responsibility and liability are intended to the terms and conditions of the agreement, they can be always the client in accordance with the agreement, for any joes, expension or dealing to any such, other than to the Client in accordance with the agreement, for any joes, expension or dealing to any such accordance or dealing conditions to Mark. Only the Client is authorized to permit copying or distribution of this Authorization to Mark and then only in its entirety. Use of Interlet's Certification mark is restricted to the conditions laid out in the agreement and in this Authorization to Mark, and then only in its entirety. Use of Interlet's Certification mark is restricted by the conditions laid out in the agreement and in this Authorization to Mark, and there used the Interlet American for the or advertisement of the tested marketing product or service must first be approved in writing by Interlet's. Initial Factory Assessments and Follow up Services are for the purpose of assuring agreement, they are not for the purposes of production qualty control and do not relieve the Client of their childgations in this responsibility.

Intertek Testing Services NA Inc. 545 East Algonquin Road, Arlington Heights, IL 60005 Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s): Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with FlatPlate Photovoltaic Modules and Panels [UL 2703: 2015 Ed.1]

Product: Photovoltaic Mounting System, Sun Frame Microrail - Installed Using Unirac Installation Guide, Rev
PUB2019MAR01 with Annex North Row Extension Installation Guide Rev PUB2019FEB20

Brand Name: Unirac
Models: Unirac SFM

ATM Issued: 9-Apr-2019 ED 16,3,15 (20-Apr-17) Mandatory



May 21, 2021

EcoFasten Solar LLC 4141 W Van Buren St, Ste 2 Phoenix, AZ 85009 TEL: (877) 859-3947

Attn.: Eco Fasten Solar LLC - Engineering Department

Re: Report # 2015-05884HG.07.01 – EcoFasten - Rocklt System for Gable and Hip Roofs

Subject: Engineering Certification for the State of Florida

PZSE, Inc. – Structural Engineers has provided engineering and span tables for the EcoFasten - Rocklt System, as presented in PZSE Report # 2015-05884HG.07.01, "Engineering Certification for the EcoFasten - Rocklt System for Gable and Hip Roofs". All information, data, and analysis therein are based on, and comply with, the following building codes and typical specifications:

Building Codes:

- ASCE/SEI 7-16, Minimum Design Loads for Buildings and Other Structures, by American Society of Civil Engineers
- 2. 2020 FBC Building, 7th Edition, Based on 2018 International Building Code
- 3. 2020 FRC Residential, 7th Edition, Based on 2018 International Residential Code
- AC428, Acceptance Criteria for Modular Framing Systems Used to Support Photovoltaic (PV) Panels, November 1, 2012 by ICC-ES
- 5. Aluminum Design Manual 2015, by The Aluminum Association, Inc.
- ANSI/AWC NDS-2018, National Design Specification for Wood Construction, by the American Wood Council

Design Criteria:

Risk Category II

Seismic Design Category = A - E Exposure Category = B, C & D

Basic Wind Speed (ultimate) per ASCE 7-16 = 90 mph to 180 mph

Ground Snow Load = 0 to 60 (psf)

This letter certifies that the loading criteria and design basis for the EcoFasten - Rocklt System Span Tables are in compliance with the above codes.

If you have any questions on the above, do not hesitate to call.

Prepared by: PZSE, Inc. – Structural Engineers Roseville, CA THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY PAUL K. ZACHER, PE ON 05/21/2021 USING A SHA-1 AUTHENTICATION CODE.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

1478 Stone Point Drive, Suite 190, Roseville, CA 95661 916.961.3960 F 916.961.3965 W www.pzse.com

