



**COMMUNITY DEVELOPMENT** 

## MECH-PLUMB

GRID-TIZO-0063
PHOTOVOLTAIC
SYSTEM

SITE PLAN

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APPROVED TO CONSTRUCT PER STATE BUILDING CODES AS REQUIRED BY RCW 19.27.031 SUBJECT TO FIELD INSPECTION AND CORRECTION

## 05/29/2020

SJC BUILDING DIVISION

Rainshadow Solar & ∬ Energy Solutions. Inc. PO Orcas, Washingt (360) ; www.rainshadows



COMMUNITY DEVELOPMENT

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## **MECH-PLUMB** 20-0063

	AC Electrical Data		
Inverter Model: Enphase IQ 7XS (IQ7XS-96-ACM-US)	@240 VAC	@208 VAC	
Peak Output Power	320 VA	320 VA	
Max. Continuous Output Power	315 VA	315 VA	RECEIVED
Nom. (L-L) Voltage/Range <sup>2</sup> (V)	240 / 211-264	208 / 183-229	SAN JUAN
Max. Continuous Output Current (A)	1.31	1.51	COUNTY
Max. Units per 20 A (LL) Branch Circuit <sup>3</sup>	12 (single phase)	10 (two pole) wye	ADDDOVED TO
CEC Weighted Efficiency	97.5%	97.0%	APPROVED TO C PER STATE BUILD
Nom. Frequency	60 Hz		AS REQUIRED BY
Extended Frequency Range	47-68 F	tz ,	SUBJECT TO FIELD
AC Short Circuit Fault Current Over 3 Cycles	5.8 A rn	าร	AND CORRE
Overvoltage Class AC Port	III		7110 0011112
AC Port Backfeed Current	18 mA		05/29/2
Power Factor Setting	1.0		-
Power Factor (adjustable)	0.7 lead. / (	0.7 lag.	***************************************
N	lo active phase balancing for three-phase installations		SJC BUILDING

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DC Power Data		
	SPR-X22-370-E-AC	SPR-X22-360-E-AC
Nominal Power <sup>5</sup> (Pnom)	370 W	360 W
Power Tolerance	+5/-0%	+5/-0%
Module Efficiency 5	22.7%	22.1%
Temp. Coef. (Power)	−0.29%/°C	−0.29%/°C
Shade Tolerance	<ul> <li>Three bypass diodes</li> <li>Integrated module-level ma power point tracking</li> </ul>	ximum

Tested Operating Conditions		
Operating Temp.	-40°F to +140°F (-40°C to +60°C)	
Max. Ambient Temp.	122°F (50°C)	
Max. Load	Wind: 62 psf, 3000 Pa, 305 kg/m² front & back Snow: 125 psf, 6000 Pa, 611 kg/m² front	
Impact Resistance	1 inch (25 mm) diameter hail at 52 mph (23 m/s)	

Mechanical Data		
Solar Cells	96 Monocrystalline Maxeon Gen III	
Front Glass	High-transmission tempered glass with anti-reflective coating	
Environmental Rating	Module: Outdoor rated Inverter: NEMA Type 6 Class II	
Frame	Class 1 black anodized (highest AAMA rating)	
Weight	42.9 lb (19.5 kg)	
Recommended Max. Module Spacing	1.3 in. (33 mm)	

1 SunPower 360 W compared to a conventional module on same-sized arrays (260 W, 16% efficient, approx. 1.6 m²), 4% more energy per watt (based on third-party module characterization and PVSim), 0.75%/yr slower degradation (Campeau, Z. et al. "SunPower Module Degradation Rate," SunPower white paper, 2013).

2 Based on search of datasheet values from websites of top 10 manufacturers per IHS, as of

3 #1 rank in "Fraunhofer PV Durability Initiative for Solar Modules: Part 3." PVTech Power Magazine, 2015. Campeau, Z. et al. "Sun Power Module Degradation Rate." Sun Power white

paper, 2013.

4 Factory set to 1547a-2014 default settings. CARUIT To Endutes things or bile sectairing commissioning. See the Equinox Installation Guide #5181 (1) for more information.

5 Standard Test Conditions (1000 W/m² irradiance, AM 1.5, 25°C). NREL calibration standard: SOMS current, LACCS FF and voltage. All DC voltage is fully contained within the module.

6 This product is UL Listed as PVRSE and conformation in NRC 2014 and INC 2017 690.12; and CZ2.1-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors: when installed according to many factories?

when installed according to manufacturer's instructions.

See www.sunpower.com/facts for more COMMUNITY IDEVELOPMENT. See www.sunpower.com/facts for more perferent intermation. For more details, see extended datasheet www.sunpower.com/datasheets Specifications included in this datasheet are subject to change without notice. ©2018 SunPower Corporation. All Rights Reserved. SUNPOWER, the SUNPOWER logo and MAXEON are registered trademarks of SunPower Corporation in the U.S. and other countries as well. 1-800-SUNPOWER.

	Warranties, Certifications, and Compliance	
Warranties	25-year limited power warranty     25-year limited product warranty	
Certifications and Compliance	UL 1703 UL 1741 / IEEE-1547 UL 1741 AC Module (Type 2 fire rated) UL 62109-1 / IEC 62109-2 FCC Part 15 Class B ICES-0003 Class B CAN/CSA-C22.2 NO. 107.1-01 CA Rule 21 (UL 1741 SA) <sup>a</sup> (includes Volt/Var and Reactive Power Priority) UL Listed PV Rapid Shutdown Equipment <sup>a</sup>	
	Enables installation in accordance with:  NEC 690.6 (AC module)  NEC 690.12 Rapid Shutdown (inside and outside the array)  NEC 690.15 AC Connectors, 690.33(A)–(E)(1)	
	When used with InvisiMount racking and InvisiMount accessories (UL 2703):  · Module grounding and bonding through InvisiMount · Class A fire rated When used with AC module Q Cables and accessories (UL 6703 and UL 2238) <sup>6</sup> :  · Rated for load break disconnect	
PID Test	Potential-induced degradation free	

