#### DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND BUILDING PERMIT



This is to certify that

MURRAY PETER L & DEBORAH D MURRAY JTS/Revision Energy LLC

**PERMIT ID: 2013-00220** 

Located at

104 NORTH ST

CBL: 012 Q004001

has permission to Installing solar panels to roof.

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise clsoed-ip. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be procured prior to occupancy.

**Fire Prevention Officer** 

Code Enforcement Officer / Plan Reviewer

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY THERE IS A PENALTY FOR REMOVING THIS CARD

PERMIT ID: 2013-00220 Located at: 104 NORTH ST CBL: 012 Q004001

# BUILDING PERMIT INSPECTION PROCEDURES Please call 874-8703 (ONLY)

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.
- Permits expire in 6 months. If the project is not started or ceases for 6 months.
- If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.

### **REQUIRED INSPECTIONS:**

Close-in Plumbing/Framing Final Inspection

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.

PERMIT ID: 2013-00220 Located at: 104 NORTH ST CBL: 012 Q004001

City of Portland, I	Maine - Bu	ilding or Use	Permit Applica	tion	Permit No:	Issue Date	:	CBL:
389 Congress Street,		0			2013-00220			012 Q004001
Location of Construction:		Owner Name:		Owne	r Address:			Phone:
104 NORTH ST		MURRAY PE DEBORAH D	TER L & MURRAY JTS	89 V	WEST ST POR	TLAND, MI	E 04102	
Business Name:  Contractor Name:  Revision Energ		:	Contr	ractor Address:			Phone	
		gy LLC	142 0410	Presumpscot str	(207) 323-1805			
Lessee/Buyer's Name		Phone:			it Type: acture other thar	n Building		Zone: R6
Past Use:	No.	Proposed Use:		Perm	it Fee:	Cost of Wor	k:	CEO District:
New Single Family		New Single Fa	mily		\$170.00	\$1	5,000.00	1
				FIRE	E DEPT:	Approved Denied	Use Group	ON: : 12:3 Type: fl.
Proposed Project Descripti					0		0	1
Installing solar panels	to roof.			Signa	ture:	TIES NISTOL	Signature.	AL
					ction: Appro		proved w/Cor	nditions Denied
				S	ignature:		Da	ate:
Permit Taken By: bjs		applied For: 01/2013			Zoning Approval			
This permit applic	ation does no	t preclude the	Special Zone or R	Reviews	Zoni	ing Appeal		Historic Preservation
Applicant(s) from Federal Rules.			Shoreland		☐ Variano	ce		Not in District or Landmark
2. Building permits of septic or electrical	work.		☐ Wetland		☐ Miscell	aneous		Does Not Require Review
3. Building permits a within six (6) mon False information	ths of the date	e of issuance.	☐ Flood Zone			onal Use		Requires Review
permit and stop al		e a building	Subdivision		Interpre			Approved
			Site Plan		Approv	ed		Approved w/Conditions
			Maj Minor I	MM	☐ Denied			Denied
			Date: 2/4	11	Date:		Date:	
			CERTIFICA	TION	1			
I hereby certify that I ar that I have been authori this jurisdiction. In add representative shall hav code(s) applicable to su	zed by the ow ition, if a perion the authority	ner to make this a mit for work desc	application as his au ribed in the applica	ithoriz tion is	ed agent and I a issued, I certify	gree to confe that the code	orm to all a	applicable laws of authorized
SIGNATURE OF APPLICA	NT		ADDI	RESS		DATE		PHONE
RESPONSIBLE PERSON II	N CHARGE OF	WORK TITLE				DATE		PHONE



Professional design, installation and service of renewable energy systems

February 1, 2013

City of Portland 389 Congress Street Portland, ME 04101

RE: ReVision Energy Solar Installation at 104 North Street

Dear Code Enforcement,

ReVision Energy has been contracted to design and install a solar electric and solar hot water system at the above address in Portland. This letter is to confirm that all work will be performed by licensed and qualified installers, expert in the field and in compliance with both manufacturer's recommendations and all applicable local and state codes and standards. This also confirms that the roof structure can handle the weight of the panel load, in addition to snow load. The weight of the panels does not change the structural integrity of the building.

ReVision Energy employs licensed engineers, plumbers, and electricians and carries the solar industries highest certifications (NABCEP) in both solar thermal and photovoltaic installation. We're committed to high quality, code compliant work and look forward to working together with the city and the CEO to ensure that all your requirements and needs are met and that our customer ends up with a system that is beautiful, functional and safe.

#### Electrical and grounding:

All electrical work to be performed by a licensed ME electrician and will conform to NEC 2011 revision as well as NABCEP standards. Specifically, wiring and grounding of the photovoltaic system will be governed by manufacturer's recommendations and article 690. All installed metal components are grounded via the grounding electrode conductor.

If you have any questions or concerns, we'd like to address them as quickly and completely as possible. Please don't hesitate to call or e mail anytime.

Respectfully,

Fortunat Mueller, P.E. Co-owner ReVision Energy (207) 752-6358 fortunat@revisionenergy.com



ARRAY ORIENTATION: 180° (True)

ARRAY PITCH: 40° angle

Collectors to be mounted in three rows of 6 modules each on the roof as shown.

# **Project Summary**

System	Performance	Cost	Incentives	Net Cost
Grid-tied photovoltaic array with CSI modules and Solectria string inverter	<ul> <li>Produce roughly 5,759 kWhrs of clean, renewable energy annually.</li> <li>Offset roughly 7,486 lbs. of CO2 emissions annually.</li> </ul>	\$15,218 Installed	-(\$4,565) 30% Federal Tax Credit -(\$2,000) Rebate from Efficiency Maine	\$8,652

### Economic & Environmental Return on Investment

The system we are proposing is guaranteed to pay for itself by harvesting abundant solar energy to replace finite, polluting and increasingly costly fossil fuels. Once you get 100% of your initial investment returned through government financial incentives and energy savings, the system will continue to deliver a revenue stream for decades to come. Plus, the system will eliminate thousands of pounds of CO2 emissions each year, delivering a powerful environmental benefit.

ReVision Energy's mission is to eliminate over-reliance on fossil fuels and the associated emissions. We are succeeding in this mission by installing solar energy systems that are as robust and reliable as traditional mechanical systems. To ensure maximum performance and longevity in a harsh climate, each system is designed by our in-house engineers (Brown, Dartmouth, MIT, UNH) and installed by our experienced team of certified solar professionals. Please join us in the mission to create a clean energy future--we promise to deliver the peace of mind that comes from knowing you have made one of the best investments of your life.



## **Major System Components**

Based on a professional evaluation of your available roofspace, site configuration, and energy demand, ReVision Energy proposes a roof-mounted photovoltaic array of 4.32 kilowatts (nominal).

The system features these major components:

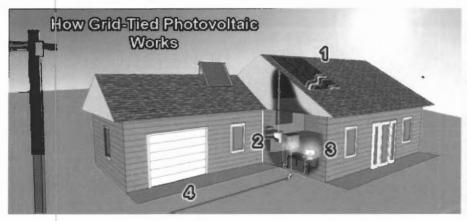
- (18) 240 watt Monosilicon Canadian Solar photovoltaic panels; CS6P-240M or equivalent (www.canadian-solar.com)
- (1) Solectria PVI4000 Grid Tied Inverter (www.solren.com)
- (124) Feet of Iron Ridge extruded aluminum solar mounting rail with hardware
- (1) Flashed Metallic Junction Box

## System Operation

Whenever sun shines on the solar electric panels, they will generate direct current (DC) electricity. That DC electricity is transmitted to an inverter, which then converts it into AC electricity which can be used in your home. Any electric loads (TV, dryer, electronics, etc.) operating while the sun is shining will use available solar electricity. Any excess will flow out to the grid and you will receive a credit for the production.

Whenever the sun is not out, you will continue to purchase grid electricity as you do now. The local utility company will record electricity you feed into the grid. If at the end of the month your generation is greater than your consumption, you will earn a credit on your next bill. You can bank your surplus from month to month for up to a year.

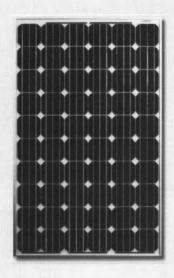
# System Diagram

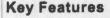


- 1 Sun hits rooftop panels, creating electricity
- 2 Inverter turns DC solar power into AC power
- 3 Solar powers household loads lights, TV, etc.
- 4 Any excess power sold to the grid for a credit.

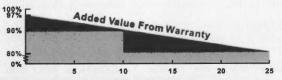
Use power as you do now no need for batteries!







- Industry first comprehensive warranty insurance by AM Best rated leading insurance companies in the world
- Industry leading plus only power tolerance: 0 ~ +5W
- Strong framed module, passing mechanical load test of 5400Pa to withstand heavier snow load
- The 1st manufacturer in the PV industry certified for ISO:TS16949 (The automotive quality management system) in module production since 2003
- ISO17025 qualified manufacturer owned testing lab, fully complying to IEC, TUV, UL testing standards
- Backed By Our New 10/25 Linear Power Warranty Plus our added 25 year insurance coverage



- · 10 year product warranty on materials and workmanship
- · 25 year linear power output warranty



CS6P 230/235/240/245/250M

#### **On-grid Module**

CS6P is a robust solar module with 60 solar cells. These modules can be used for on-grid solar applications. Our meticulous design and production techniques ensure a high-yield, long-term performance for every module produced. Our rigorous quality control and in-house testing facilities guarantee Canadian Solar's modules meet the highest quality standards possible.

#### **Applications**

- · On-grid residential roof-tops
- · On-grid commercial/industrial roof-tops
- · Solar power stations
- · Other on-grid applications

#### **Quality Certificates**

- IEC 61215, IEC 61730, UL1703, CEC Listed, MCS, CE
- ISO9001: 2008: Standards for quality management systems
- ISO/TS16949:2009: The automotive quality management system

#### **Environmental Certificates**

- ISO14001:2004: Standards for Environmental management systems
- QC080000 HSPM: The Certification for Hazardous Substances Regulations
- Reach Compliance



www.canadiansolar.com

### CS6P-230/235/240/245/250M

#### **Electrical Data**

STC	CS6P-230M	CS6P-235N	CS6P-240N	CS6P-245N	CS6P-250		
Nominal Maximum Power (Pmax)	230W	235W	240W	245W	250W		
Optimum Operating Voltage (Vmp)	29.9V	30.1V	30.2V	30.3V	30.4V		
Optimum Operating Current (Imp)	7.70A	7.82A	7.95A	8.09A	8.22A		
Open Circuit Voltage (Voc)	37.1V	37.2V	37.3V	37.4V	37.5V		
Short Circuit Current (Isc)	8.22A	8.34A	8.46A	8.61A	8.74A		
Module Efficiency	14.30%	14.61%	14.92%	15.23%	15.54%		
Operating Temperature			-40°C~+85°C				
Maximum System Voltage		1000	V (IEC) /600	V(UL)			
Maximum Series FuseRating			15A				
Application Classification	Class A						
Power Tolerance	0 ~ +5W						

Under Standard Test Conditions (STC) of irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25°C

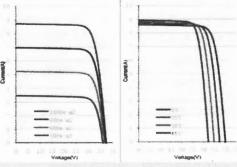
NOCT	CS6P-230M	CS6P-235M	CS6P-240M	CS6P-245M	CS6P-250)
Nominal Maximum Power (Pmax)	166W	170W	173W	177W	180W
Optimum Operating Voltage (Vmp)	27.3V	27.5V	27.5V	27.6V	27.7V
Optimum Operating Current (Imp)	6.09A	6.18A	6.29A	6.40A	6.51A
Open Circuit Voltage (Voc)	34.0V	34.1V	34.2V	34.3V	34.4V
Short Circuit Current (Isc)	6.65A	6.75A	6.85A	6.97A	7.08A

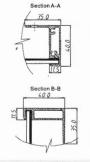
Under Normal Operating Cell Temperature, irradiance of 800 W/m $^2$ , spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

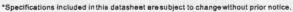
#### **Mechanical Data**

Cell Type	Mono-crystalline 156 x 156mm, 2 or 3 Busbar 60 (6 x 10)				
Cell Arrangement					
Dimensions	1638 x 982 x 40mm (64.5 x 38.7 x 1.57in)				
Weight	20kg (44.1 lbs)				
Front Cover	3.2mm Tempered glass				
Frame Material	Anodized aluminium alloy				
J-BOX	IP65, 3 diodes				
Cable	4mm²(IEC)/12AWG(UL), 1100mm				
Connectors	MC4 or MC4 Comparable				
Standard Packaging (Modules per Pallet)	24pcs				
Module Pieces per container (40 ft. Container)	672pcs (40'HQ)				

#### I-V Curves (CS6P-250M)







#### **About Canadian Solar**

Canadian Solar Inc. is one of the world's largest solar companies. As a leading vertically-integrated manufacturer of ingots, wafers, cells, solar modules and solar systems. Canadian Solar delivers solar power products of uncompromising quality to worldwide customers. Canadian Solar's world class team of professionals works closely with our customers to provide them with solutions for all their solar needs.

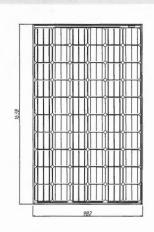
**Temperature Characteristics** 

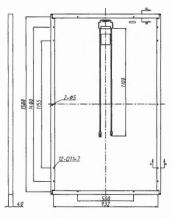
	Pmax	-0.45%/°C		
Temperature Coefficient	Voc	-0.35 %/°C		
	Isc	0.060 %/C		
Normal Operating Cell Ter	nperature	45±2℃		

#### Performance at Low Irradiance

Industry leading performance at low irradiation environment, +95.5% module efficiency from an irradiance of 1000w/m $^2$  to 200w/m $^2$  (AM 1.5, 25 °C)

#### **Engineering Drawings**





Canadian Solar was founded in Canada in 2001 and was successfully listed on NASDAQ Exchange (symbol: CSIQ) in November 2006. Canadian Solar has already expanded its module manufacturing capacity to 2.05GW and cell manufacturing capacity to 1.3GW in 2011.

Headquarters | 650 Riverbend Drive, Suite B Kitchener, Ontario | Canada N2K3S2 Tel:+1-519-954-2057 Fax:+1-519-578-2097 inquire.ca@canadiansolar.com www.canadiansolar.com

### **IRONRIDGE XR ROOF MOUNT PLATFORM**

#### **KEY FEATURES**

- Extruded aluminum components are lightweight for easy handling yet strong enough for most roof mount applications
- Choice of XRL (lightweight) and XRS (standard) rails
- Both XRL and XRS rails come with slots for attaching L-feet and top slots for attaching panel clamps
- XRS rails has slot for bottom mounting clamps
- Hidden internal splice bars are aesthetically pleasing
- Internal splices provide superior strength and flexibility with L-feet placement
- Adjustable L-feet have vertical extension slots for easy adjustability of up to 1-3/8"
- Standoffs provide increased airflow and ventilation and enable precise placement of flashings
- Standoffs come in four standard heights: 3", 4", 6", and 7"
- XR platform compatible with popular flashings including QuickMount and Oatey
- Panel clamps for both top and bottom mounting
- Panel clamps for most popular photovoltaic modules
- Mid-clamp design maximizes panel density
- Ground clips eliminate the need for copper wire between modules
- The XR Roof Mount components are covered with an industry-leading 10 year limited product warranty and a 5 year limited finish warranty
- All XR Roof Mount domponents are PE certified



The IronRidge XR platform is a reliable, comprehensive, and feature rich photovoltaic mounting solution. Anchored by the XRS (Standard) and XRL (Light) rails, the XR platform includes all of the components necessary for supporting virtually any commercial or residential roof mount installation, regardless of surface material or roof grade.

The XRS and XRL rails are manufactured from extruded aluminum to maximize spans while minimizing weight for improved handling. The graceful curves of the XRS rail will please even the most aesthetically demanding customers. Rails can be extended with the IronRidge patent-pending internal splice bars, providing a strong support connection and ultimate flexibility in footing attachment locations. Installers have a variety of options in attaching IronRidge rails to the roof, including adjustable L-feet, aluminum standoffs, and tilt legs for optimizing power. In addition, IronRidge accommodates modules from most major manufacturers. Top-down panel clamps securely grip the outside frame of the module, freeing the installer from the constraints of panel mounting holes. The XRS rail has an additional side slot to enable the option of bottom mounting. Lastly, grounding clips pierce the anodized rails, creating a ground path through the equipment and eliminating the need to run copper wire between every module.

IronRidge provides a complete technical support system that includes step-by-step installation guides, engineering certification documentation, easy-to-read span charts, and on-line configurator software.

See reverse for product specifications and ordering information. Please contact your local distributor for configuration assistance.

#### **SPECIFICATIONS**

- ◆ XRL/XRS Rail 6105-T5 extruded anodized aluminum
- ◆ XRL/XRS Splice Bars 6105-T5 extruded aluminum
- Standoffs 6105-T5 extruded aluminum
- L-feet: 6105-T5 extruded aluminum
- ◆ Clamps: 5052-H32 aluminum
- ◆ Hardware: 18-8 Stainless Steel

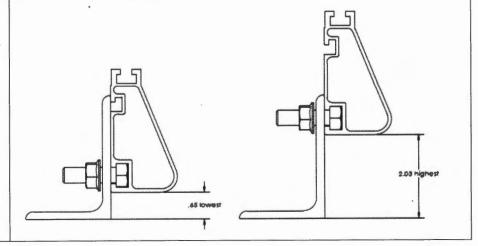
#### XRS PROPERTIES

- ♦ Area = .807136 inches^2
- Centroid relative to output coordinate system origin
  - + X = 0.5556
  - ♦ Y = 1.4097
  - $\Delta Z = 120.000$
- Moments of Inertia of the area (at the centroid)
  - $\Delta Lxx = 0.8430$
  - ♦ Lxy = 0.1117
  - $\Delta Lxz = 0.0000$
  - ◆ Lyx = 0.1117
  - ◆ Lyy = 0.1822
  - ♦ Lyz = 0.0000
  - $\bullet Lzx = 0.0000$
  - Lzy = 0.0000Lzz = 1.0252
- Polar Moment of Inertia
- ♦ At Centroid = 1.0252^4
- Principal Moments of Inertia
  - $\bullet$  Ix = 0.1638
  - ♦ Iy = 0.8614
- ◆ Principal-Part Axes
  - ◆ Angle = 99.343 degrees
- Moments of Inertia (output)
  - ♦ LXX = 11625.205
  - ♦ LXY = 0.5204
  - ♦ LXZ = 53.8153
  - ♦ LYX = 0.5204
  - ◆ LYY = 11623.1909
  - ◆ LYZ = 136.5369
  - ♦ LZX = 53.8153
  - ◆ LZY = 136.5369
  - ♦ LZZ = 2.8784

#### ORDERING INFORMATION

	XR Rails			
Part Number	Description	Weight		
51-7000-144a	XRS Standard Rail (1) - 12 feet	11.364 lbs		
51-7000-168a	XRS Standard Rail (1) – 14 feet	13.258 lbs		
51-7000-192a	XRS Standard Rail (1) – 16 feet	15.152 lbs		
51-7000-216a	XRS Standard Rail (1) – 18 feet	17.046 lb		
51-6000-144a	XRL Light Rail (1) – 12 feet	6.288 lbs		
51-6000-168a	XRL Light Rail (1) – 14 feet	7.336 lbs		
51-6000-192a	XRL Light Rail (1) - 16 feet	8.384 lbs		
51-6000-216a	XRL Light Rail (1) – 18 feet	9.432 lbs		
29-7000-010	XRS Splice Kit (1)	0.442 lbs		
29-7000-000	XRL Splice Kit (1)	0.151 lbs		
	Panel Clamps			
Part Number	Description	Weight		
29-7000-xxx	End Clamps (4) – depends on panel	.251290 lbs		
29-7000-10x	Mid Clamps (4) – depends on panel	.213251 lbs		
29-7000-117	Under Clamps (4)	0.324 lbs		
	Footing Attachments & Flashings			
Part Number	Description	Weight		
29-7000-017	L-feet Kit (4)	0.872 lbs		
51-600x-500	3"-7" Standoffs – Specify L-feet or Tilt leg	.533710 lbs		
31-1000-001	Oatey Galvanized Flashing 11830 (12)	8.750 lbs		
31-1000-000	QuickMount QMSCA12 (12)	13.390 lbs		
51-7200-0XX	Tilt Legs (7" – 40")	.0658 lbs/inch		
51-7210-000	Tilt Leg Bracket	1.576 lbs		
	Grounding			
Part Number	Description	Weight		
29-4000-001	WEEB DMC-Clip (100)	0.258 lbs		
29-4000-002	WEEB Grounding Lug (100)	12.356 lbs		
29-4000-003	WEEB Bonding Jumper (100)	17.614 lbs		
29-4000-006	WEEB ACC-PV Wire Clip (100)	0.625 lbs		

#### L-FOOT DIMENSIONS



STRING INVERTERS

PVI 3000 PVI 4000 PVI 5000 PVI 5300 PVI 6500 PVI 7500

#### FEATURES

- 96% CEC efficiency
- Wide input operating voltage window
- 208 VAC, 240 VAC or 277 VAC
- Fully-integrated design
- · Detachable wiring box
- · Standard 10 year warranty
- RS232/RS485 communications
- User interactive LCD display

#### **OPTIONS**

- · Integrated panel assembly
- Web-based monitoring





### STRING INVERTERS

At 96% CEC efficiency, the Solectria Renewables string inverter series, ranging from 3.0 kW to 7.5 kW, is the most efficient transformer isolated string inverter on the market. The PVI 3000-PVI 7500 series of inverters consist of six power ratings to optimally match your grid-tied PV system, and boasts fully-integrated DC and AC disconnects, an LCD display, and a 3, 4, or 5 fuse string combiner all contained within a detachable wiring box. This feature allows for a clean, simple, and safe installation with easy serviceability. The integrated panel assembly option allows for this inverter series to be pre-wired and mounted on an industrial grade aluminum panel with kWh meter and optional AC visible-blade disconnect or circuit breakers on a two-inverter panel assembly.





PECIFICATIONS		PVI 3000	PVI 4000	PVI 5000	PVI 5300	PVI 6500	PVI 7500
C Input							
Absolute Maximum Input Voltage				600	VDC		
MPPT Input Voltage Range			200-5	50 VDC		230-5	00 VDC
Maximum Operating Input Current		16 A	20 A	25 A	25 A	35 A	35 A
AC Output							
Nominal Output Voltage			208 or	240 VAC		208, 240	or 277 VAC
AC Voltage Range (Standard)				-12%/	+10%		
	208 VAC	2700W	3400W	4300W	4600W	6500 W	7500 W
Continuous Output Power	240 VAC	2900W	3900W	4900W	5300W	6500 W	7500 W
	277 VAC					6500 W	7500 W
	208 VAC	13 A	16.3 A	20.7 A	22.1 A	31.3 A	36.1 A
Continuous Output Current	240 VAC	13 A	16.3 A	20.7 A	22.1 A	27.1 A	31.3 A
	277 VAC					23.5 A	27.1 A
Maximum Backfeed Current				0			
Nominal Output Frequency				60	Hz		
Output Frequency Range				59.3-6	0.5 Hz		
Power Factor				Unity,	>0.99		
Total Harmonic Distortion (THD)				(3	%		
Efficiency						=	
	208 VAC	96.4%	96.5%	96.4%	96.2%	96.0%	96.2%
Peak Efficiency	240 VAC	96.7%	96.7%	96.7%	96.4%	96.3%	96.5%
	277 VAC					96.7%	96.7%
	208 VAC	95.5%	95.5%	96.0%	95.5%		.5%
CEC Efficiency	240 VAC	96.0%	96.0%	96.0%	96.0%	96	.0%
	277 VAC			-		96	.0%
Tare Loss				0.5	W		
Integrated String Combiner							
Fused String Inputs		3	4	4	4	5	5
Temperature							
Ambient Temperature Range (full power	)		-13°F		-13°F to +122 (-25°C to +50°		
Storage Temperature Range			-13°F to +149°F	(-25°C to +65°C			
Relative Humidity (non-condensing)				F (-25°C to +55°C)	5%		,
Monitoring Options						1	
Web-based Monitoring (Inverter Direct)				Solrei	nView		
Revenue Grade Monitoring		External					
Third Party Compatibility				Standard via I			
Testing & Certifications							
Safety Listings & Certifications			UL 1741/IEE	E 1547, IEEE 1547.1,	CSA C22.2#107.1. FG	CC part 15 B	
Testing Agency				E			
Warranty						<b>机</b>	
Standard				10 y	rear	STATE OF THE STATE	
Enclosure							
AC/DC Disconnects				Standard, fully-int	egrated (internal)		stermino de la composição
Dimensions (H x W x D)		28.8 in x 17.9 in x 6.9 in 28.8 in x 17.9 in x 8.3 in 28.8 in x 17.3 ir (732 mm x 454 mm x 175 mm) (732 mm x 454 mm x 210 mm) (732 mm x 438 mm					
		47 lbs (21.4 kg)	40 lbc (21 0 kg)	EQ E lbc (26 6 kg)	60 lbs (27 / kg)	88 9 lhs	(40.4 kg)
Veight		47 (D5 (21.4 Kg)	48 lbs (21.8 kg)	58.5 lbs (26.6 kg)	00 (D3 (27.4 Kg)	00.7 103	(40.4 (5)
Weight Enclosure Rating		47 (DS (21.4 Kg)	40 (DS (21.0 Kg)	NEM		00.7103	(40.4 Ng)



