



CROSSROADS
SOLAR

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Crossroads Solar manufactures solar panels in **South Bend, IN**



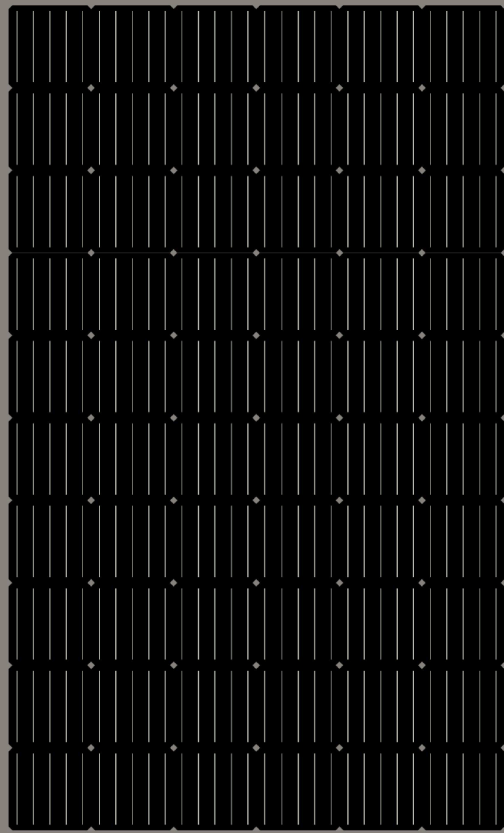
Our core mission is to provide **jobs and life training opportunities** for recently released felons



We make solar panels because it is **good for the planet**



We help remake people because it is **good for our communities**



PERC

5 BUSBAR CELLS

335-340 W

POWER OUTPUT

22.3%

MAXIMUM EFFICIENCY

-0, +1.5%

POWER TOLERANCE

10 Year

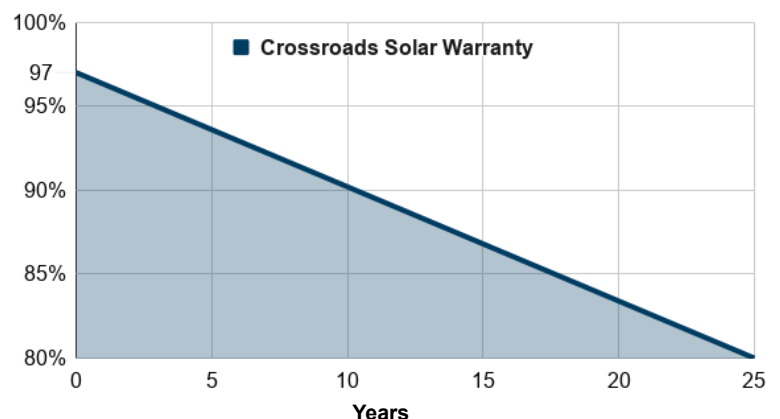
PRODUCT WARRANTY



**CERTIFIED TO UL/IEC 61730
& IEC 61215 STANDARDS**

Our panels are American made with highly automated equipment, from top quality components, and certified to UL/IEC 61730 & IEC 61215 standards. They come with a 10 year product and a 25 year performance warranty, consistent with the highest industry standard.

25 YEAR PERFORMANCE WARRANTY



Electrical Performance

Power Output	P_{max}	340	W
Model Efficiency	η_m	22.3	%
Tolerance		1.5	%
Short Circuit Current	I_{SC}	10.2	A
Open Circuit Voltage	V_{OC}	41	V
Rated Current	I_{mp}	9.7	A
Rated Voltage	V_{mp}	34.8	V
Fuse Rating		20	A

Thermal Characteristics

Normal Operating Cell Temperature (NOCT)	45 ± 2	$^{\circ}\text{C}$
Temperature Coefficient of P_{max}	-0.36	%/K
Temperature Coefficient of V_{OC}	-0.29	%/K
Temperature Coefficient of I_{SC}	0.042	%/K

Operating Conditions

Maximum System Voltage	1500Vdc
Operating Temperature Range	-40 $^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$) to 85 $^{\circ}\text{C}$ (185 $^{\circ}\text{F}$)
Maximum Series Fuse Rating	20
Fire Safety Classification	Type 1 (U.S.) Class C (Canada)
Hail Safety Impact Velocity	25mm at 23m/s

Construction Materials

Front Glass	3.2mm (tempered, low iron, ARC)
Frame	Anodized Aluminum
Encapsulant	EVA
Junction Box	IP 67
Cables	1 meter
Connector	MC4

Packaging Information

Number of modules per pallet	26
Pallet Dimensions	1200mm x 1000mm x 2000mm (47.2in x 39.4in x 78.7in)
Pallet Weight	600kg
Number of pallets per container	28

General Characteristics

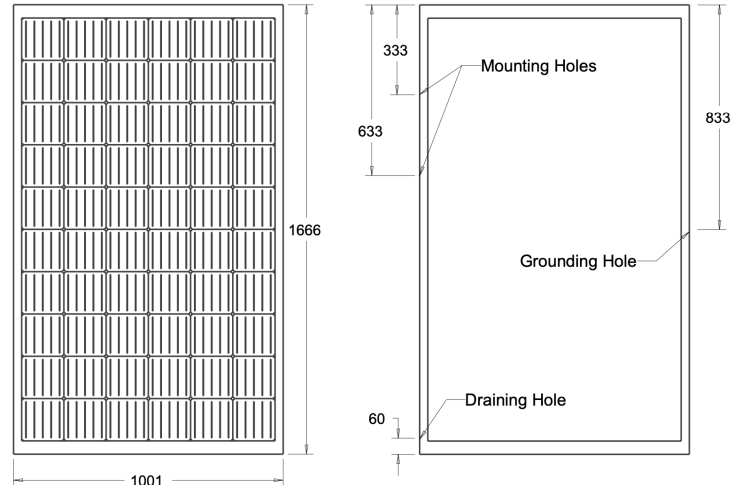
Solar Cells	G1, Mono Crystalline Silicon 158.75mm x 158.75mm \pm 0.25mm
Cell Orientation	60 cells (6x10)
Module Dimension (L x W x H)	1666mm x 1001mm x 40mm (66.59in x 39.409in x 1.575in)
Weight	21kg (46.3lb)

Qualifications and Certifications

UL/IEC	61730 & 61215
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PANEL DRAWING

Units: mm



Front View

Back View



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CONTACT US

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