



THE CROSSROADS 400



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



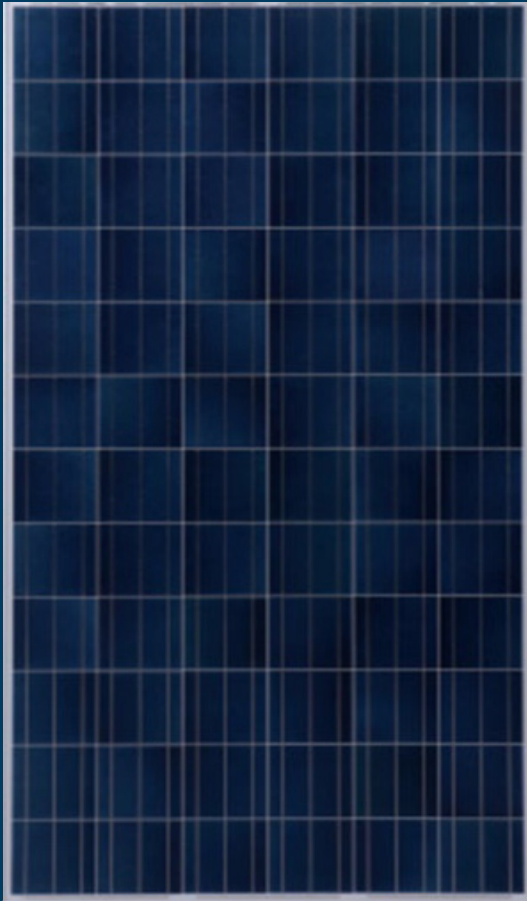
Our core mission is to provide **jobs and life training opportunities** for recently released felons



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

400-405 W

POWER OUTPUT

22.3%

MAXIMUM EFFICIENCY

-0, +1.5%

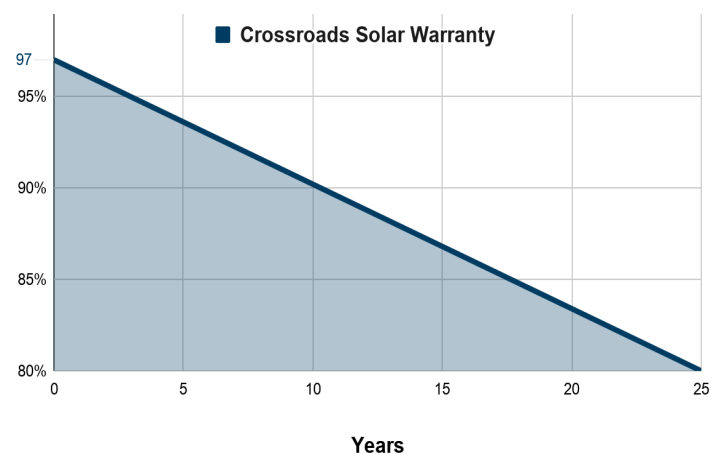
POWER TOLERANCE

10 Year

PRODUCT WARRANTY

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



CERTIFIED TO UL/IEC 61730 & IEC 61215 STANDARDS

Electrical Performance

Power Output	P_{max}	405	W
Model Efficiency	η_m	22.3	%
Tolerance		1.5	%
Short Circuit Current	I_{SC}	10.19	A
Open Circuit Voltage	V_{OC}	49	V
Rated Current	I_{mp}	9.6	A
Rated Voltage	V_{mp}	41.6	V
Fuse Rating		20	A

Thermal Characteristics

Normal Operating Cell Temperature (NOCT)		45 ± 2	$^{\circ}C$
Temperature Coefficient of P_{max}		-0.36	%/K
Temperature Coefficient of V_{OC}		-0.29	%/K
Temperature Coefficient of I_{SC}		0.04	%/K

Operating Conditions

Maximum System Voltage	1500Vdc
Operating Temperature Range	-40 $^{\circ}C$ (-40 $^{\circ}F$) to 85 $^{\circ}C$ (185 $^{\circ}F$)
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

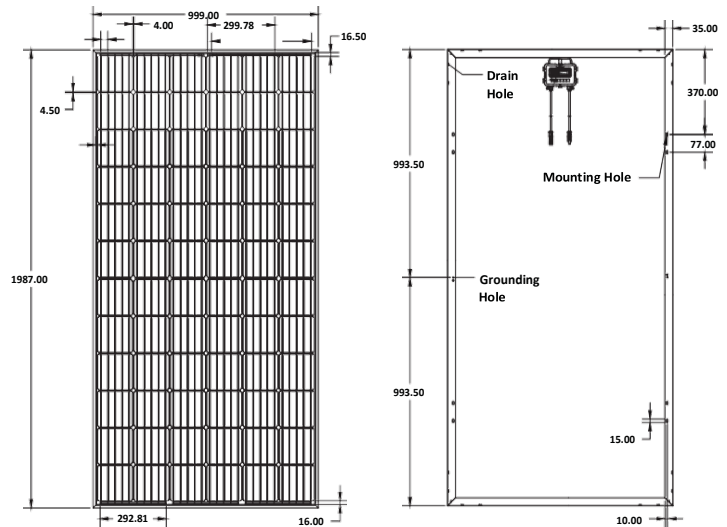
Solar Cells	G1, Mono Crystalline Silicon 158.75mm x 158.75mm \pm 0.25mm
Cell Orientation	72 cells (6x12)
Module Dimension (L x W x H)	1986mm x 1001mm x 40mm (78.03in x 39.409in x 1.575in)
Weight	22kg (48.5lb)

Qualifications and Certifications

UL/IEC	61730 & 61215
--------	---------------

PANEL DRAWING

Units: mm



Front View

Back View



251 E. Sample St, Suite 100
South Bend, IN 46619

CONTACT US

crossroads-solar.com
patrickregan@crossroads-solar.com
607-759-1058