

# CROSSROADS SOLAR

## CROSSROADS 325



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



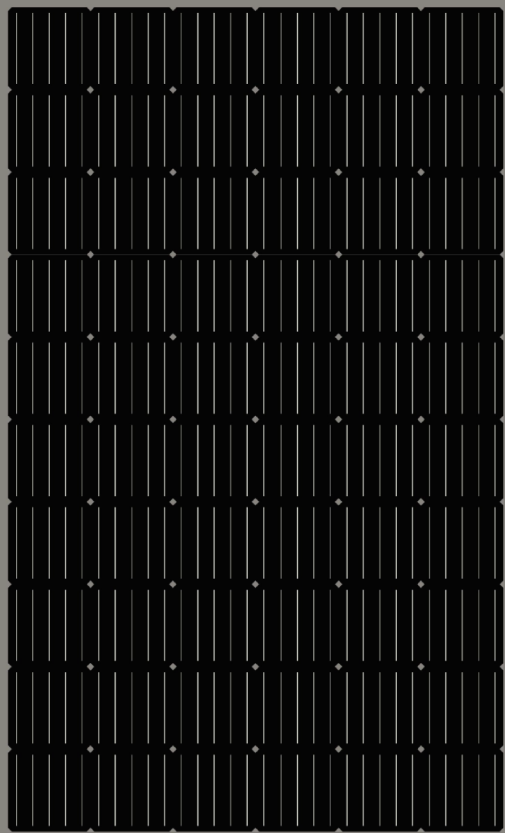
Our core mission is to provide **jobs and life training opportunities** for recently released felons



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

### 325W

POWER OUTPUT

### 19%

MAXIMUM EFFICIENCY

### -0, +1.5%

POWER TOLERANCE

### 10/25 Year

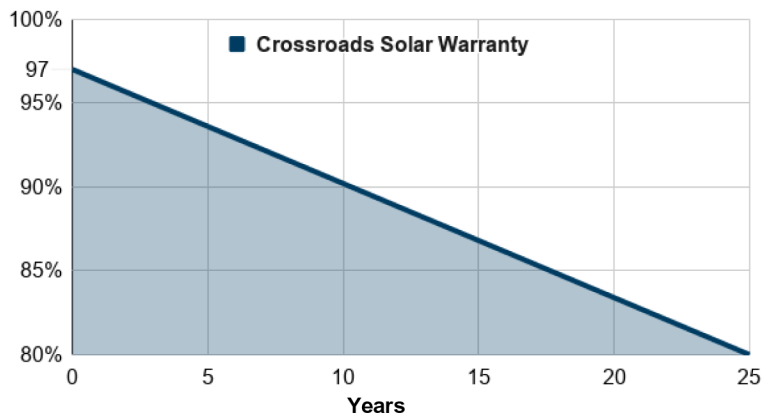
PRODUCT/PERFORMANCE  
WARRANTY



CERTIFIED TO IEC 61730 &  
IEC 61215 STANDARDS

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

### 25 YEAR PERFORMANCE WARRANTY



## Electrical Performance

Power Output	$P_{max}$	325	W
Module Efficiency	$\eta_m$	19	%
Tolerance		1.5	%
Short Circuit Current	$I_{SC}$	9.9	A
Open Circuit Voltage	$V_{OC}$	41	V
Rated Current	$I_{mp}$	9.35	A
Rated Voltage	$V_{mp}$	34.8	V
Fuse Rating		20	A

## Thermal Characteristics

Normal Operating Cell Temperature (NOCT)		$45 \pm 2$	$^{\circ}C$
Temperature Coefficient of $P_{max}$		-0.38	%/K
Temperature Coefficient of $V_{OC}$		-0.36	%/K
Temperature Coefficient of $I_{SC}$		0.068	%/K

## Construction Materials

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

## 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

## 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

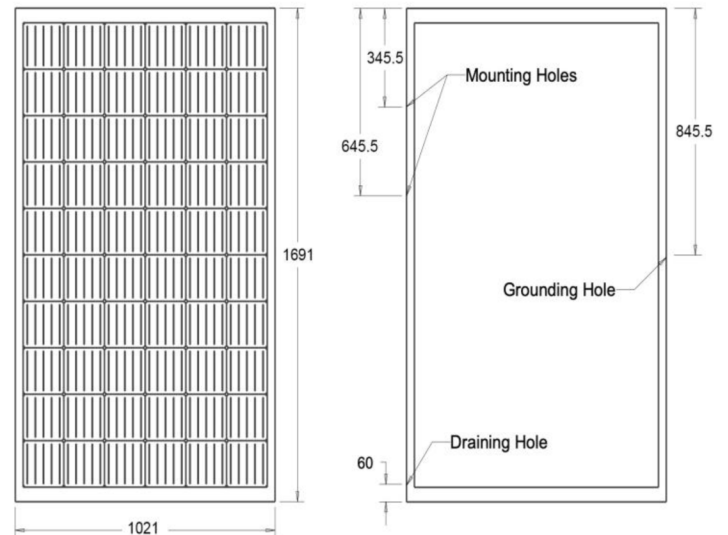
Solar Cells	G1, Mono Crystalline Silicon 158.75mm x 158.75mm $\pm$ 0.25mm
Cell Orientation	60 cells (6x10)
Module Dimension (L x W x H)	1691mm x 1021mm x 40mm (66.57in x 39.96in x 1.575in)
Weight	21kg (46.3lb)

## Qualifications and Certifications

UL/IEC	61730 & 61215
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## PANEL DRAWING

Units: mm



Front View

Back View

## Crossroads Solar

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