



# CROSSROADS 380-385



**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**

Our panels are American made with highly 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 the highest industry standard.

**PERC**  
5 BUSBAR CELLS

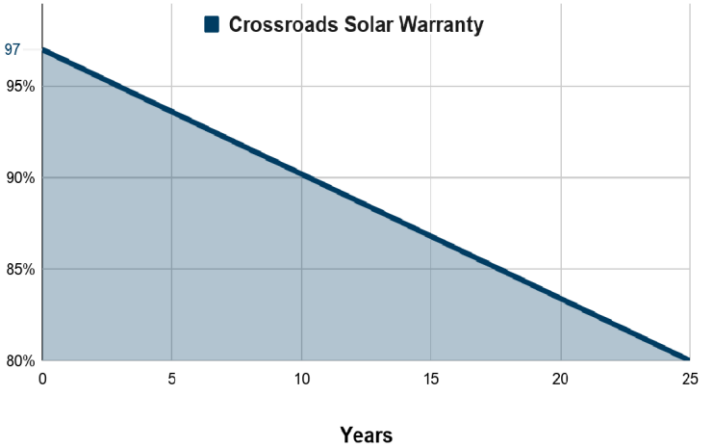
**380-385 W**  
POWER OUTPUT

**22.1%**  
MAXIMUM EFFICIENCY

**-0, +1.5%**  
POWER TOLERANCE

**10/25 Year**  
PRODUCT/PERFORMANCE  
WARRANTY

## 25 YEAR PERFORMANCE WARRANTY



CERTIFIED TO IEC 61730 &  
IEC 61215 STANDARDS

## Electrical Performance

<b>Power Output</b>	$P_{max}$	380	W
<b>Model Efficiency</b>	$\eta_m$	22.1	%
<b>Tolerance</b>		1.5	%
<b>Short Circuit Current</b>	$I_{SC}$	9.9	A
<b>Open Circuit Voltage</b>	$V_{OC}$	49	V
<b>Rated Current</b>	$I_{mp}$	9.35	A
<b>Rated Voltage</b>	$V_{mp}$	40.55	V
<b>Fuse Rating</b>		20	A

## Thermal Characteristics

<b>Normal Operating Cell</b>		45 ± 2	°C
<b>Temperature (NOCT)</b>			
<b>Temperature Coefficient of <math>P_{max}</math></b>		-0.38	%/K
<b>Temperature Coefficient of <math>V_{oc}</math></b>		-0.36	%/K
<b>Temperature Coefficient of <math>I_{sc}</math></b>		0.068	%/K

## Operating Conditions

<b>Maximum System Voltage</b>	1500Vdc
<b>Operating Temperature Range</b>	-40 °C (-40 °F) to 85 °C (185 °F)
<b>Maximum Series Fuse Rating</b>	20
<b>Fire Safety Classification</b>	Type 1 (U.S.) Class C (Canada)
<b>Hail Safety Impact Velocity</b>	25mm at 23m/s

## Construction Materials

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

## Packaging Information

<b>Number of modules per pallet</b>	26
<b>Pallet Dimensions</b>	1200mm x 1000mm x 2000mm
<b>Number of pallets per container</b>	28

(47.2in x 39.4in x 78.7in)

**Pallet Weight** 600kg

## General Characteristics

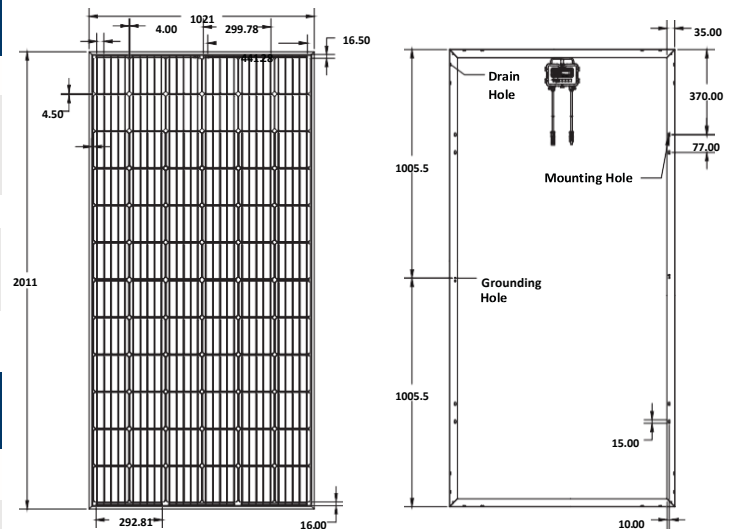
<b>Solar Cells</b>	G1, Mono Crystalline Silicon
<b>Cell</b>	158.75mm x 158.75mm ± 0.25mm
<b>Orientation</b>	72 cells (6x12)
<b>Module</b>	2011mm x 1021mm x 40mm
<b>Dimension (L x W x H)</b>	(79.17in x 39.96in x 1.575in)
<b>Weight</b>	22kg (48.5lb)

## Qualifications and Certifications

UL/IEC 61730 & 61215

## PANEL DRAWING

Units: mm



Front View

Back View

## Crossroads Solar

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