



CROSSROADS 220

Designed specifically for the RV industry



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

220

POWER OUTPUT

19%

MAXIMUM EFFICIENCY

+/-3 %

POWER TOLERANCE

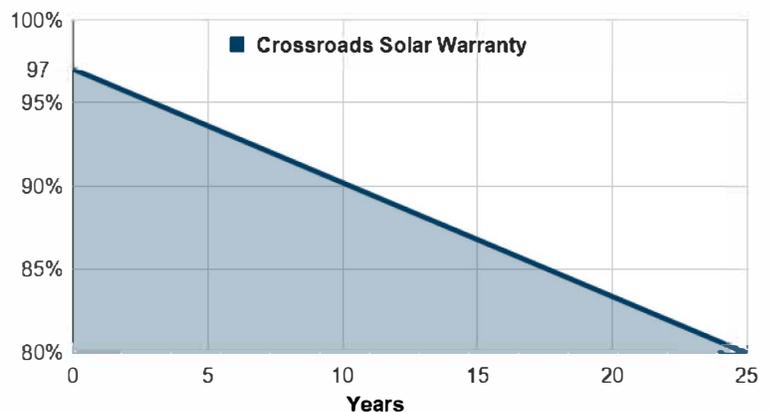
10/25 Year

PRODUCT/PERFORMANCE WARRANTY

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



CERTIFIED TO IEC 61730 & IEC 61215 STANDARDS

Electrical Performance

Power Output	P_{max}	220	W
Module Efficiency	η_m	19	%
Tolerance		3	%
Short Circuit Current	I_{sc}	9.8	A
Open Circuit Voltage	V_{oc}	27.4	V
Rated Current	I_{mp}	9.5	A
Rated Voltage	V_{mp}	22.9	V
Fuse Rating		20	A

Thermal Characteristics

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

Operating Conditions

Maximum System Voltage	1500Vdc
Operating Temperature Range	-40 °C (-40 °F) to 85 °C (185 °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 68
Cables	1 meter
Connector	MC4

Packaging Information

Number of modules per pallet	26
Pallet Dimensions	1700mm x 1000mm x 700mm (67in x 39in x 27in)
Pallet Weight (approx)	440 kg
Number of pallets per container	38

General Characteristics

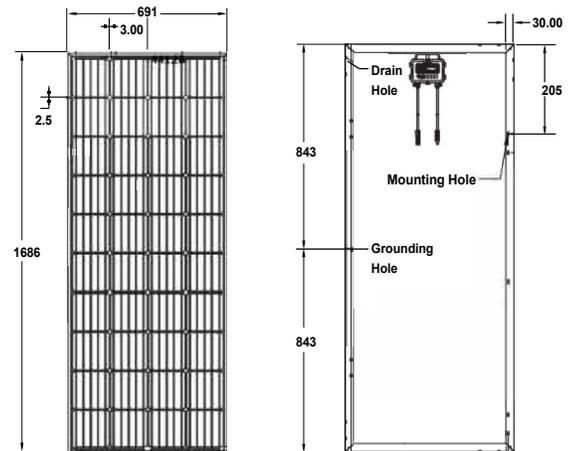
Solar Cells	G1, Mono Crystalline Silicon
Cell	158.75mm x 158.75mm ± 0.25mm
Orientation Module	40 cells (4x10)
Dimension (L x W x H)	1686mm x 691mm x 40mm (66.38in x 27.20in x 1.575in)
Approx Weight	15kg (35 lbs)

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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