

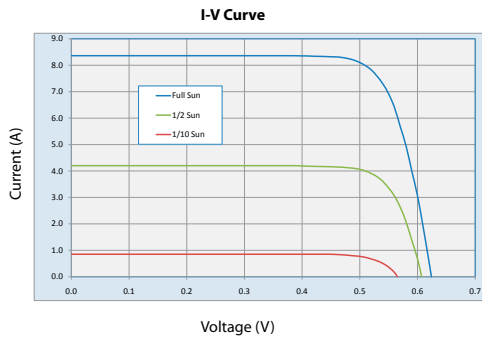


## **ASP-220 MONOCRYSTALLINE SILICON SOLAR PANELS**

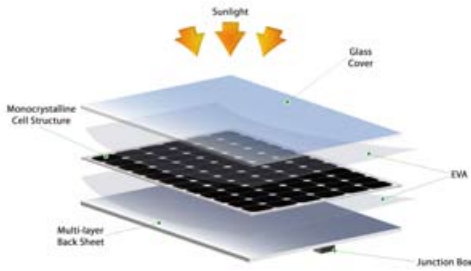
The ASP-220 is one of the most efficient solar modules on the market today, and we are committed to leading the industry with innovations to produce high efficiency at low cost modules. ASP™ panels offer you a lower cost on the balance of the system because of the focus on improving the process in manufacturing. The ASP-220 provides outstanding energy delivery for the most demanding commercial and residential applications.



## PERFORMANCE



## MODULE DIAGRAM



## ASP-220



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## ELECTRICAL SPECIFICATIONS

PARAMETER	VALUE
<b>Model</b>	ASP-220
<b>Rated Power (P<sub>max</sub>)</b>	212 W
<b>Maximum Power Voltage (V<sub>pm</sub>)</b>	27 V
<b>Maximum Power Current (I<sub>pm</sub>)</b>	7.99 A
<b>Open Circuit Voltage (V<sub>oc</sub>)</b>	33.75 V
<b>Short Circuit Current (I<sub>sc</sub>)</b>	8.57 A
<b>Temperature Coefficient: P<sub>max</sub></b>	-0.4% / °C
<b>Temperature Coefficient: V<sub>oc</sub></b>	-2.1 mV / °C
<b>Temperature Coefficient: I<sub>sc</sub></b>	2.5 mA / °C
<b>NOCT</b>	44 °C
<b>CEC PTC Rating</b>	204 W
<b>Cell Efficiency</b>	17.2%
<b>Watts per Ft.<sup>2</sup></b>	13.75 W
<b>Maximum System Voltage</b>	1000 V
<b>Series Fuse Rating</b>	20 A
<b>Warranted Tolerance (+/-)</b>	-0% / +10%

Measured at *Standard Test Conditions (STC)*: Irradiance of 1000W / m<sup>2</sup>, air mass of 1.5g and cell temperature of 25°C

## MECHANICAL SPECIFICATIONS

PARAMETER	VALUE
<b>Solar Cells</b>	54 Cells, Monocrystalline
<b>Junction Box Internal Bypass Diodes</b>	3 Bypass Diodes
<b>Glass Cover</b>	0.126" (3.2 mm)
<b>Module Area</b>	15.93 ft. <sup>2</sup> (1.48m <sup>2</sup> )
<b>Weight</b>	37 lbs. (17kg)
<b>Frame Type</b>	Aluminum Alloy
<b>Dimensions (LxWxH)</b>	58.3" x 39.4" x 1.65" (1480mm x 1000mm x 42mm)
<b>Cable Length (+Male / -Female)</b>	900 / 700 mm
<b>Cable Size / Connector Type</b>	No. 12 AWG / MC4™ Locking Connectors

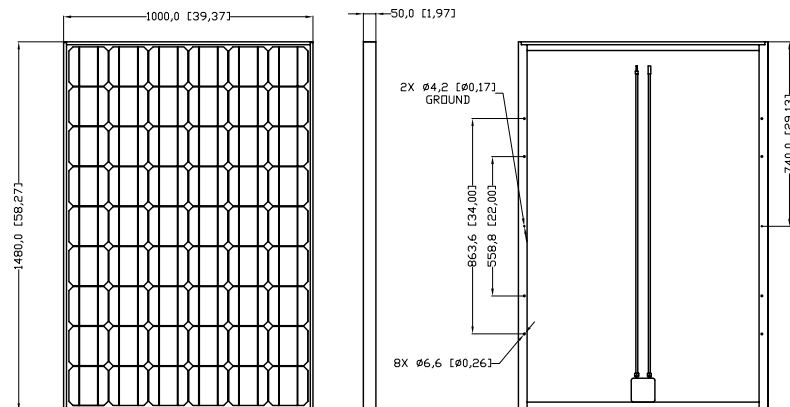
## OPERATING CONDITIONS & SAFETY RATINGS

PARAMETER	VALUE
<b>Ambient Operating Temperature</b>	-40 °F to 194 °F (-40 °C to 90 °C)
<b>Fire Safety Classification</b>	Class C Fire Rating
<b>Max. Surface Resistance (Front &amp; Back)</b>	50PSF (2400Pa)
<b>Hail Impact Rating</b>	1" Ø (25 mm) at 52 mph (23 m/s)

## WARRANTY & CERTIFICATIONS

PARAMETER	VALUE
<b>Warranty</b>	25 year limited power warranty, 10 year limited product warranty
<b>Certifications</b>	UL1703, IEC 61215, IEC 61730, CE and Class C Fire Rating

## ASP-220 TECHNICAL DRAWING



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