

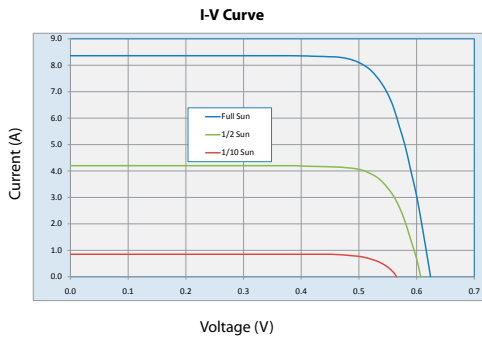


## **ASP-150 MONOCRYSTALLINE SILICON SOLAR PANELS**

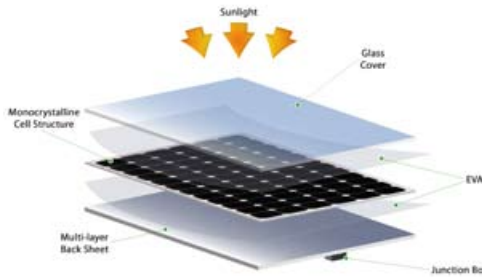
The ASP-150 is one of the most efficient solar modules on the market today, and we are committed to leading the industry with innovations to produce high efficiency at low cost modules. ASP™ panels offer you a lower cost on the balance of the system because of the focus on improving the process in manufacturing. The ASP-150 provides outstanding energy delivery for the most demanding commercial and residential applications.



## PERFORMANCE



## MODULE DIAGRAM



## ASP-150



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## ELECTRICAL SPECIFICATIONS

PARAMETER	VALUE
Model	ASP-150
Rated Power (P <sub>max</sub> )	142 W
Maximum Power Voltage (V <sub>pm</sub> )	18 V
Maximum Power Current (I <sub>pm</sub> )	7.99 A
Open Circuit Voltage (V <sub>oc</sub> )	22.5 V
Short Circuit Current (I <sub>sc</sub> )	8.57 A
Temperature Coefficient: P <sub>max</sub>	-0.4% / °C
Temperature Coefficient: V <sub>oc</sub>	-2.1 mV / °C
Temperature Coefficient: I <sub>sc</sub>	2.5 mA / °C
NOCT	44 °C
CEC PTC Rating	135 W
Cell Efficiency	17.2%
Watts per Ft. <sup>2</sup>	13.6 W
Maximum System Voltage	1000 V
Series Fuse Rating	20 A
Warranted Tolerance (+/-)	-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
Solar Cells	36 Cells, Monocrystalline
Junction Box Internal Bypass Diodes	3 Bypass Diodes
Glass Cover	0.126" (3.2 mm)
Module Area	10.76 ft. <sup>2</sup> (1m <sup>2</sup> )
Weight	30 lbs. (13.5kg)
Frame Type	Aluminum Alloy
Dimensions (LxWxH)	58.3" x 26.8" x 1.65" (1480mm x 680mm x 42mm)
Cable Length (+Male / -Female)	900 / 700 mm
Cable Size / Connector Type	No. 12 AWG / MC4™ Locking Connectors

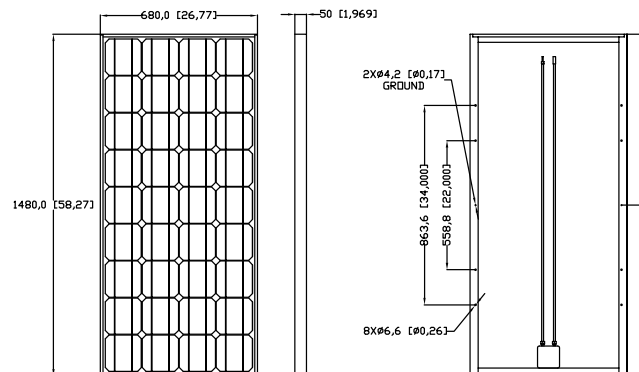
## OPERATING CONDITIONS & SAFETY RATINGS

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

## WARRANTY & CERTIFICATIONS

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

## ASP-150 TECHNICAL DRAWING



400 Rinehart Road #1060 • Lake Mary, FL 32746 USA  
[www.advancedsolarphotonics.com](http://www.advancedsolarphotonics.com) • [info@advancedsolarphotonics.com](mailto:info@advancedsolarphotonics.com)  
 Tel: 407.804.1000 • Fax: 407.333.9143