

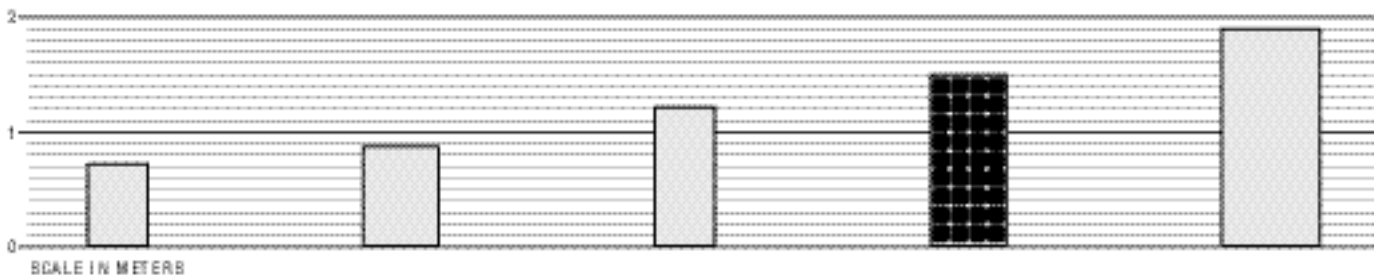
# AP-110 PHOTOVOLTAIC MODULE

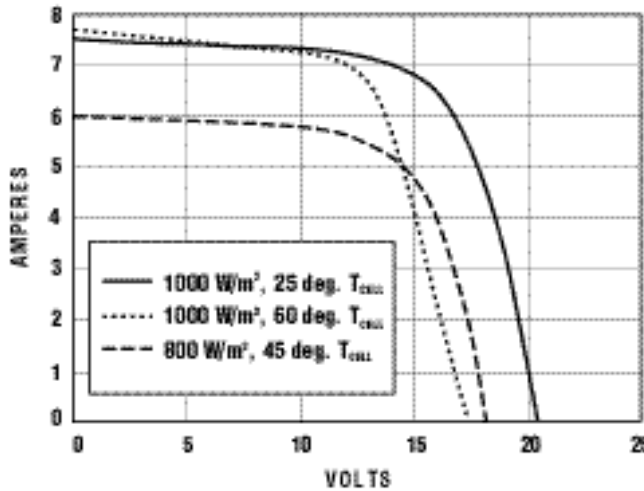
- Over 6.5 amps of battery-charging current in full sunlight.
- Ideal for AC and DC installations up to 600 Vdc (nominal).
- Weather resistant junction box for easy and safe field installation.
- Dual low-loss bypass diodes for superior protection and minimum power loss when partially shaded.
- 100% factory inspected to ensure quality and electrical performance.
- Heavy duty anodized aluminum frame provides strength and convenient mounting access.
- Overall dimensions and mounting hole pattern conform to industry standards.
- Certified to IEC-61215, the highest industry standard.
- UL Listed.
- 20 year warranty.

*The AP-110 is a high-power multi-purpose module, well suited for multi-kW arrays where higher individual module power reduces interconnection and installation labor costs. The AP-110 is also available in blue/black color option.*



AstroPower Module Product Range





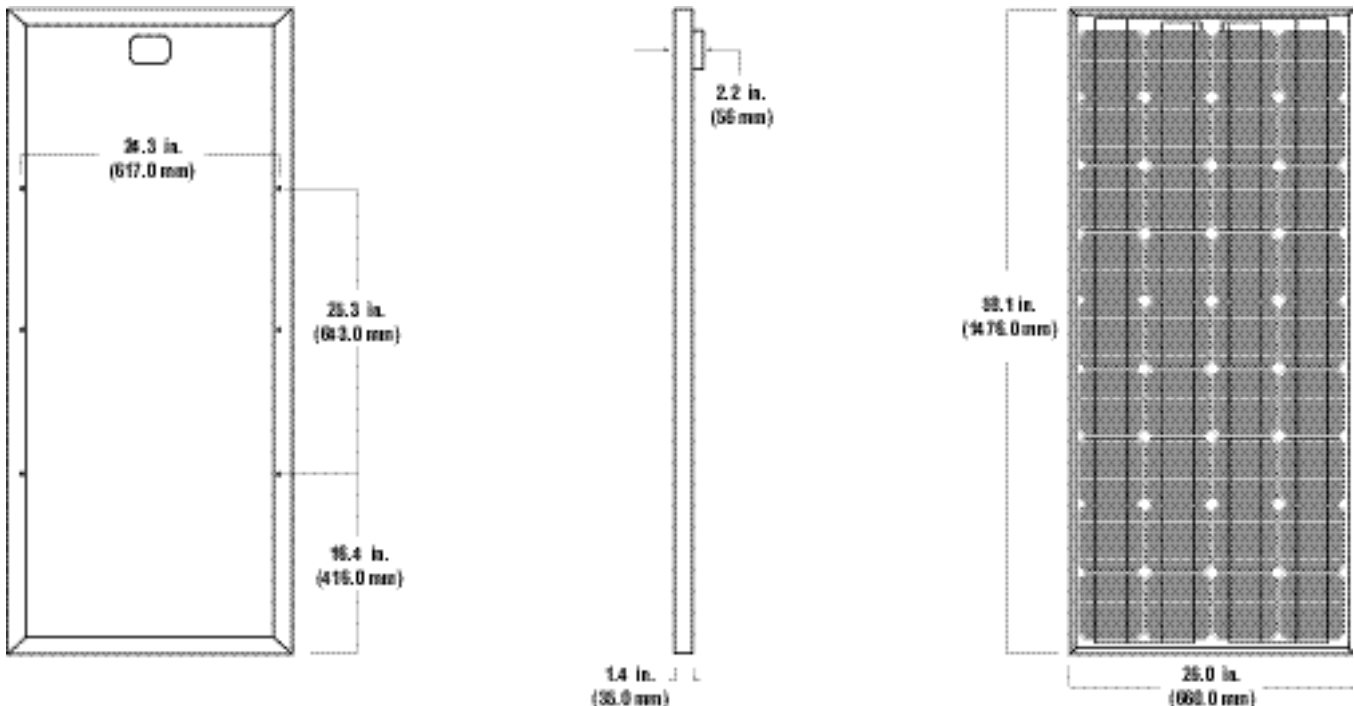
**TYPICAL ELECTRICAL PARAMETERS**

Peak Power *(W <sub>p</sub> )	Watts	110
Open Circuit Voltage (V <sub>oc</sub> )	Volts	20.7
Max. Power Voltage (V <sub>mp</sub> )	Volts	16.7
Short Circuit Current (I <sub>sc</sub> )	Amps	7.5
Max. Power Current (I <sub>mp</sub> )	Amps	6.6
Short Circuit Temp. Coefficient	mA/°C	+0.6
Open Circuit Voltage Coefficient	V/°C	-0.08
Max. Series Fuse	Amps	15

Standard Test Conditions (defined as: Irradiance = 1000 W/m²; cell temperature = 25°C; solar spectral irradiance per ASTM E892, \*rated power tolerance ±10%

**TYPICAL OPERATIONAL SPECIFICATIONS**

Nominal Operating Cell Temp. (NOCT)	45°C (Determined under: Irradiance = 800 W/m²; ambient temperature = 20°C; wind speed = 1m/s)
Weight (Wind) Bearing Potential	50 lbs/ft² (125 mph equiv.)
Hailstone Impact Resistance	1" @ 50 mph (24 mm @ 80 kph)
Weight	26.1 lbs. (11.9 kg)
Dimensions	26.0 x 58.1 x 1.4 in. (660.0 x 1476.0 x 35.0 mm)



Note: Mounting hole diameter is .26" (6.6 mm).



**ASTROPOWER**