

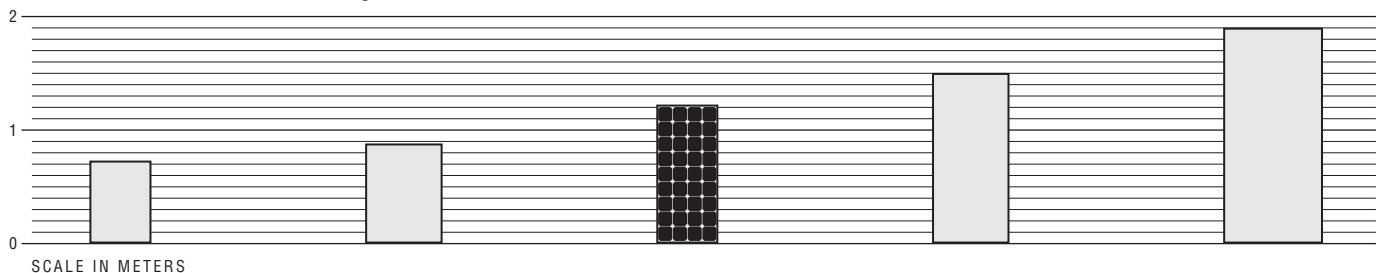
AP-75 PHOTOVOLTAIC MODULE

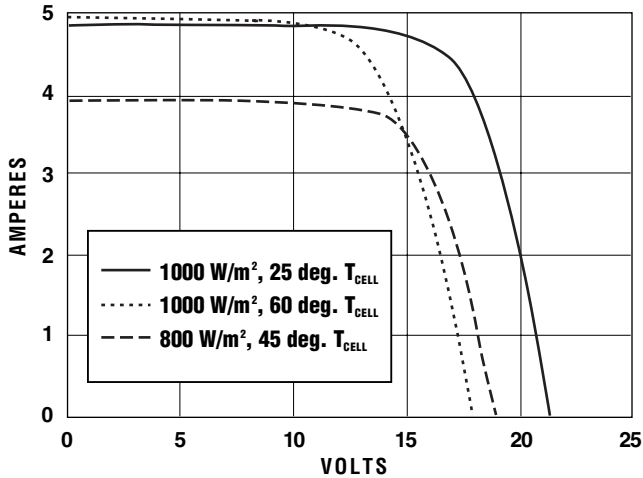
- Over 4.5 amps of battery-charging current in full sunlight.
- Ideal for AC and DC installations up to 600 Vdc (nominal).
- Weather resistant junction box for easy and safe field installation.
- Dual low-loss bypass diodes for superior protection and minimum power loss when partially shaded.
- 100% 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, TÜV qualified.
- 20 year warranty.

AstroPower's AP-75 addresses the highly popular 75 watt multi-purpose power module category. Overall dimensions and mounting hole patterns are consistent with industry norms, making the AP-75 easily implemented on existing support structure designs.



AstroPower Module Product Range





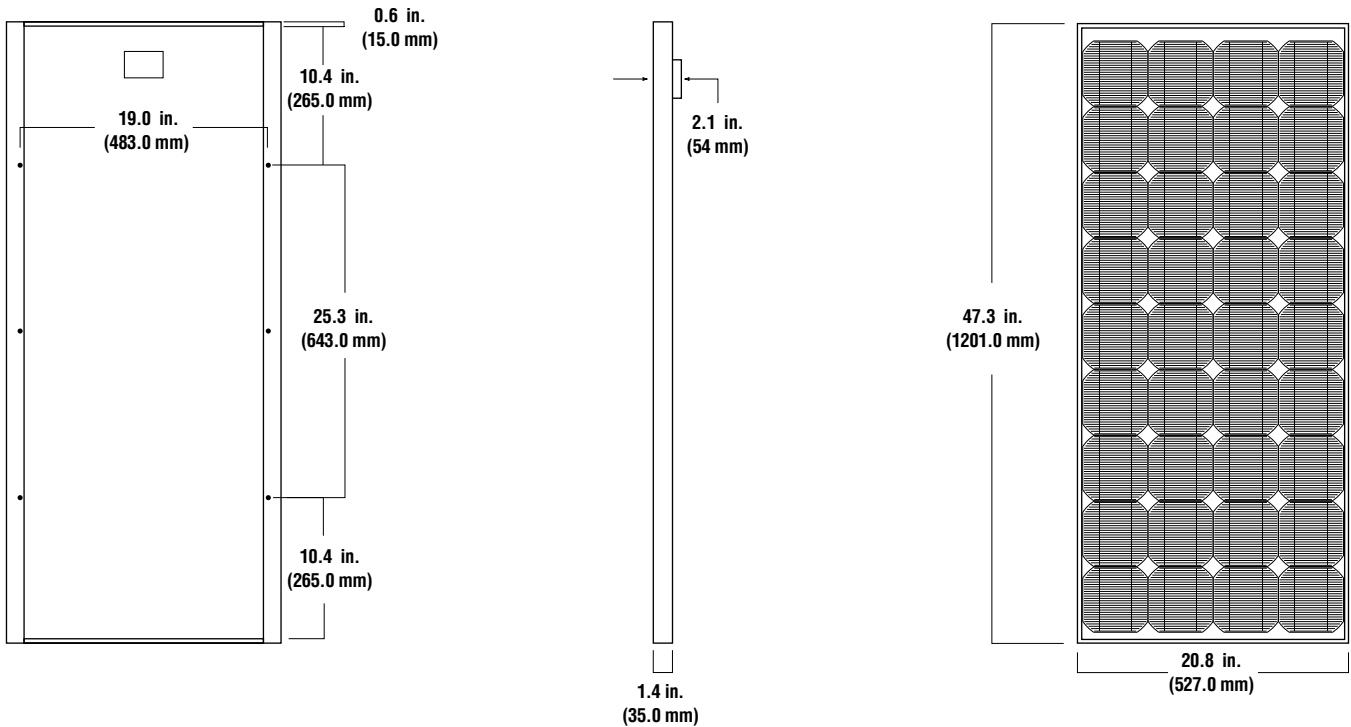
TYPICAL ELECTRICAL PARAMETERS

Peak Power [*] (W_p)	Watts	75
Open Circuit Voltage (V_{oc})	Volts	21.0
Max. Power Voltage (V_{mp})	Volts	17.0
Short Circuit Current (I_{sc})	Amps	4.8
Max. Power Current (I_{mp})	Amps	4.4
Short Circuit Temp. Coefficient	mA/°C	+0.2
Open Circuit Voltage Coefficient	V/°C	-0.08
Max. Series Fuse	Amps	10

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)	42°C (Determined under: Irradiance = 800 W/m ² ; ambient temperature = 20°C; wind speed = 1m/s)
Weight (Wind) Bearing Potential	50 lbs/ft ² (125 mph equiv.)
Hailstone Impact Resistance	1" @ 50 mph (24 mm @ 80 kph)
Weight	18.1 lbs. (8.2 kg)
Dimensions	20.7 x 47.2 x 1.4 in. (526.0 x 1210.0 x 35.0 mm)



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

