GMA P6 - 72 - 320W

GMA solar

POWERFUL PERFORMANCE FOR A CLEANER PLANET

- MANUFACTURED IN MONTREAL, CANADA
- 25 YEAR LINEAR POWER WARRANTY
- 12 YEAR WORKMANSHIP WARRANTY
- OUTSTANDING LOW LIGHT PERFORMANCE
- MC4 CONNECTORS
- POSITIVE TOLERANCE 0/+3%

GMASOLAR introduces the new generation of solar modules. Providing more power by utilizing high efficiency solar cells. Ideal for off grid systems thanks to their robust design proving reliability and high quality performance in isolated areas.

GMASOLAR Reliability. All our solar modules are manufacture according to UL and IEC standards. Each module goes to a strict quality verification on through an EL testing process The EL tester works like a X-ray scanner that immediately exposes every possible hidden defect in the solar panel. This way you get a crystal clear picture of the good operation of the solar panel.

GMASOLAR Flexibility. Our solar modules are designed to offer worry free used in the harshest climates. Our frame allows installation in multiple configurations, making an easy, safe and faster installation in harshest climates. The water drain holes prevent frame breakage due to freezing temperatures.
### Electrical Parameters @ STC

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pmax (W)</td>
<td>320</td>
</tr>
<tr>
<td>Vmp (V)</td>
<td>36.7</td>
</tr>
<tr>
<td>Imp (A)</td>
<td>8.72</td>
</tr>
<tr>
<td>Voc (V)</td>
<td>45.6</td>
</tr>
<tr>
<td>Isc (A)</td>
<td>9.18</td>
</tr>
<tr>
<td>η (%)</td>
<td>16.49</td>
</tr>
</tbody>
</table>

Values at standard test conditions STC (Air mass AM1.5, Irradiance 1000W/sqm, Cell temperature 25°C)

Power Measurement Tolerance: 0 / +3%

### Mechanical Draw

- **Connector**: MC4 / IP68 rated
- **Junction Box**: Three (3) bypass diodes
- **Outlet Cables**: 10 AWG PV cable, UV protected
- **Module Dimension**: 1956 X 992 X 40 mm (77.00 x 39.05 x 1.57 inches)
- **Weight**: 27 kg
- **Frame**: Anodized aluminum / silver
- **Front Glass**: High transmission low-iron tempered glass / 3.2mm
- **Backsheet**: Fluoropolymer coating / PET / polyolefin
- **Temperature Coefficient**:
  - Nominal Operating Cell Temp. (NOCT): 45 +/- 2°C
  - Voltage Temperature Coefficient (VOC): -0.31% / °C
  - Current Temperature Coefficient (Isc): 0.033% / °C
  - Power Temperature Coefficient (Pmax): -0.42% / °C
- **Maximum Ratings**
  - Operational Temperature: -40°C to +85°C
  - Maximum System Voltage: 1000V DC
  - Max Series Fuse Rating: 15A
- ** Certification**: Tested to UL 1703 / IEC 6215 / IEC 61730 CE
- **Fire Rating**: Class C
- **Warranty**: 12 years workmanship, 12 years 90%, 25 years 80%
- **Power Warranty**:

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- **Module Efficiency**: 16.49%
- **Open-circuit voltage**: 45.6 V
- **Short-circuit current**: 9.18 A
- **Module**: Poly-crystalline silicon solar Cell / 156 x 156 mm
- **Weigh**: 27 kg
- **Fire Rating**: Class C

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