JPP-300
300 WATT SOLAR PANEL

Built with an aluminum frame that ensures superior performance during even the most severe weather, the Jaboni solar panel has high efficiency solar cells that ensure high performance and maximum power output.

**KEY FEATURES:**

**ADVANCED SOLAR CELLS**
High-efficiency solar cells ensure high performance of the solar module and create maximum power output.

**HIGH-TRANSMISSION GLASS**
High-transmission 3.2mm tempered glass (over 92-95% transmission).

**ALUMINUM FRAME**
Screwless corner joints provide superior rigidity, ten pre-drilled mounting holes ease installation.

**SUPERIOR JUNCTION BOX**
Multi function junction box with waterproof capabilities.

**PANEL LIFE**
Under 10% decrease of output power within 10 years and 20% decrease in 20-25 years. Tolerance: ±3%.

**WEATHER-PROOF DESIGN**
High impact resistance to the most severe weather- high wind, driving rain, heavy snow and hail. Moisture-proof and corrosion resistant.
### Electrical Specifications

**Standard Test Conditions:**
- **Irradiance:** 1000W/M² AM:1.5
- **Temperature:** 25°C

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power (pmax)</td>
<td>300W</td>
</tr>
<tr>
<td>Maximum Power Voltage</td>
<td>32.26 Vmp</td>
</tr>
<tr>
<td>Maximum Power Current</td>
<td>9.30 Imp</td>
</tr>
<tr>
<td>Open Circuit Voltage</td>
<td>39.85 Voc</td>
</tr>
<tr>
<td>Short Circuit Current</td>
<td>9.75 Isc</td>
</tr>
<tr>
<td>Module Efficiency</td>
<td>16.14%</td>
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</tbody>
</table>

### Temperature Coefficients

<table>
<thead>
<tr>
<th>Coefficient</th>
<th>Value</th>
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<tbody>
<tr>
<td>Temperature Coefficients of Pm</td>
<td>-0.39%/°F</td>
</tr>
<tr>
<td>Temperature Coefficients of Voc</td>
<td>-0.30%/°F</td>
</tr>
<tr>
<td>Temperature Coefficients of Isc</td>
<td>+0.06%/°F</td>
</tr>
</tbody>
</table>

### Max Limits

- **Maximum System Voltage:** 1000V
- **Module Operating Temperature:** -40 to +90°F
- **Noct:** 45±2°F

### Mechanical Specifications

- **Dimensions:** 77.16 X 38.97 X 1.57 inches (1960 X 990 X 40 mm)
- **Weight:** 49.6 lbs (22.5 kgs)
- **Cell size:** 6 inches (156mm x 156mm)
- **Cell technology:** Poly-crystal silicon
- **Frame:** Anodized Aluminum Alloy
- **Cable length:** 47.24 inches (1200mm)
- **Number of cells (Pcs):** 60 (6x10)
- **Surface Maximum Load Capacity:** 5400pa
- **Allowable Hail Load:** 227g steel ball dropped from 1m height

### Notes:
1. All dimensions are to the outside unless otherwise specified.
2. All dimensions are to the center of holes and slits unless otherwise specified.