BIFACIAL MODULE

Prism’s glass-on-glass modules make brilliant use of the sun by generating up to 30% more energy per watt than traditional modules.

**High Module Efficiency**
Module efficiencies of up to 19.4% are achieved through the use of advanced bifacial cell technology. Prism’s unique cells offer equal front and back efficiencies up to 19.1% helping customers capitalize on their solar investment.

**Superior Low Light Performance**
Prism’s modules offer exceptional performance in low light conditions.

**Bifacial Technology**
Both front and back surfaces of the module are equally capable of generating electricity. The back surface generates power through the use of light reflected from the surrounding area. Mounting considerations that maximize a site’s available albedo light can yield up to 30% gain in power generation per square foot.

**Seamless Integration**
Prism’s frameless modules with our streamlined j-box offer a solution to many possible applications including: Awnings, Canopies, Carports, Commercial Rooftops, Dividers, Facades, Fencing & Siding.

**Quality and Reliability**
Advanced Testing and inspection of every module insures that quality is upheld. Prism uses the latest Electroluminescence and class A sun simulator technology in the testing of every module produced.
Bifacial Module

Model B245

**Electrical Data**

<table>
<thead>
<tr>
<th></th>
<th>STC*</th>
<th>10%</th>
<th>20%</th>
<th>30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Power (Pmax, W)</td>
<td>245</td>
<td>269</td>
<td>293</td>
<td>315</td>
</tr>
<tr>
<td>Rated Voltage (Vmp, V)</td>
<td>30.1</td>
<td>30.1</td>
<td>30.0</td>
<td>29.9</td>
</tr>
<tr>
<td>Rated Current (Imp, A)</td>
<td>8.14</td>
<td>8.94</td>
<td>9.75</td>
<td>10.55</td>
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<tr>
<td>Open Circuit Voltage (Voc, V)</td>
<td>38.5</td>
<td>38.6</td>
<td>38.8</td>
<td>39.0</td>
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<tr>
<td>Short Circuit Current (Isc, A)</td>
<td>8.76</td>
<td>9.63</td>
<td>10.51</td>
<td>11.93</td>
</tr>
<tr>
<td>Module Efficiency (%)</td>
<td>15.1</td>
<td>16.5</td>
<td>18.0</td>
<td>19.4</td>
</tr>
<tr>
<td>Max System Voltage (UL)</td>
<td>600V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Series Fuse Rating</td>
<td>15A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature Coefficients</td>
<td></td>
<td>-0.465 %/°C</td>
<td>-0.332 %/°C</td>
<td>0.096 %/°C</td>
</tr>
<tr>
<td>NOCT (°C)</td>
<td>48.9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mechanical Data**

- Glass, Front & Back: 2 x 3.2mm Tempered
- Frame Type: Frameless
- Bypass Diodes: 3
- Junction Box: Back Mounted
- Cable Length: 900mm
- Connectors: Amphenol Helios H4
- Dimensions: 1656mm x 984mm x 7.2mm*** (65.20in x 38.74in x 0.28in)
- Weight: 62.6 lbs. (28.4kg)

**Operating Conditions**

- Temperature: -40°C to 85°C (-40°F to 185°F)
- Max Load: Standard 4-point mount: 57 psf
  Continuous perimeter mounting (non-BiPV): 170 psf**
  BIPV: 30 psf
- Impact Resistance: 25mm (1") Hail at 23m/s (52 mph)

**Certifications & Warranty**

- Certifications: UL 1703 & ULC/ORD-C1703
- Fire Rating: Class C
- Warranty: See Prism module warranty certificate

* Measured at Standard Testing Conditions: cell temp 25°C, AM1.5, 1000W/m². Tolerance +/- 5%.
** To achieve this max weight loading, the racking system must meet mechanical weight loading of 170 psf.
*** Length and width dimensions are +/- 5mm.

**Irradiance Dependence**

Projected specifications including additional backside irradiation contribution in Isc as a percent of STC.

**Temperature Dependence**

**Dimensions, mm (in)**

Length & width dimensions and J-box location are +/- 5mm.

**Certifications**

UL 1703 & ULC/ORD-C1703
Fire Rating: Class C

**Warranty**

See Prism module warranty certificate

**Importantly:** Prism modules are rated at STC conditions. These ratings do not account for additional power produced from the back of the module. Under certain mounting conditions, Prism modules could produce up to 30% more power than their STC rating. This additional power should be accounted for when sizing and selecting system components.

**Caution:** Read the Installation Manual carefully before using this product. All specifications are subject to change without notice.

 rev 130123

TO MAXIMIZE POWER

a) Avoid shading the back side of the module by the support rack.
b) Mount modules over highly reflective surfaces, such as a white roof or crushed white stone.
c) Elevate modules above the mounting surface as much as possible.

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