BEHIND THE ECLIPSE

We challenged ourselves to push the boundaries of PV technology and pioneer new innovations in solar module design. The design of the Eclipse module takes into consideration every element that defines a perfect solar module. The culmination of our efforts is a module that is superior in performance, reliability, safety, and value.
The Eclipse module takes advantage of Seraphim’s innovative module technology, using traditional solar cells to increase efficiency and reliability while reducing BOS cost. The Eclipse module bridges the gap between functionality and design, providing an elegant solution to all your solar energy needs.

**Significantly Reduced Hot-Spot Effect**

Temperature after shading test (at 5hrs, in °C)
- Maximum Temp: 47.3°C
- Average Temp: 23.9°C
- Minimum Temp: 15.6°C

**More Benefits**
- Better performance under shade
- Beautifully designed
- 5400Pa Mechanical Load

**Certifications**
- Installation
- System BOS

**Insurances**
- PowerGuard
- C-UL
- Solar

**Warranty**
- 10% Reduction in BOS and Installation Cost
- Improved Reliability and Durability
- 15% Greater Return on Projects
- 10% Reduction in BOS and Installation Cost
- More Benefits
- Certifications
- Insurances
- Warranty

**Electrical Characteristics**

<table>
<thead>
<tr>
<th>Model</th>
<th>SP-315-E01B</th>
<th>SP-320-E01B</th>
<th>SP-325-E01B</th>
</tr>
</thead>
<tbody>
<tr>
<td>STC</td>
<td>315</td>
<td>320</td>
<td>325</td>
</tr>
<tr>
<td>NOCT</td>
<td>233</td>
<td>237</td>
<td>232</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>44.6</td>
<td>44.85</td>
<td>45.1</td>
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<tr>
<td>Short Circuit Current (Isc)</td>
<td>9.02</td>
<td>9.11</td>
<td>7.32</td>
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<tr>
<td>Maximum Power Voltage (Vmp)</td>
<td>36.2</td>
<td>34.14</td>
<td>36.6</td>
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<tr>
<td>Maximum Power Current (Imp)</td>
<td>8.71</td>
<td>8.69</td>
<td>8.88</td>
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<tr>
<td>Module Efficiency at STC(ηm)</td>
<td>18.52</td>
<td>18.81</td>
<td>19.11</td>
</tr>
</tbody>
</table>

**Temperature Characteristics**

- Power Tolerance: ±3%
- Maximum System Voltage: 1000 (TÜV), 1000 (UL)
- Maximum Series Fuse Rating: 20A

**Mechanical Specifications**

- External Dimensions: 1623x1048x40 mm
- Weight: 19.0 kg
- Solar Cells: Mono crystalline
- Front Glass: 3.2 mm tempered glass, low iron
- Frame: Anodized aluminum alloy
- Junction Box: IP67
- Output Cables: 4.0 mm²/cable length: 1000 mm
- Connector: MC4 Compatible
- Mechanical Load: 5400 Pa

**Packing Configuration**

<table>
<thead>
<tr>
<th>Container</th>
<th>20'GP</th>
<th>40'HGP</th>
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<tbody>
<tr>
<td>Pieces per Pallet</td>
<td>20</td>
<td>26</td>
</tr>
<tr>
<td>Pallets per Container</td>
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<td>28</td>
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<tr>
<td>Pieces per Container</td>
<td>276</td>
<td>728</td>
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</tbody>
</table>

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