BEHIND THE ECLIPSE

Seraphim insists on market and customer demand for product development, according to customer requirements and special application needs. Seeking to develop a more flexible "MINI eclipse module".
Mini eclipse module uses shingled-cell technology. By cutting cells, these smaller currents will help reduce "Cell To Module" loss, which means higher output. The innovative shingled-cell technology allows no ribbon soldering internally, and smaller branch current, so that internal resistance is lower, and increases the efficiency of the modules. The unique parallel design reduces the hot-spot effect significantly, and the gorgeous aesthetic appearance will bring different visual enjoyment.

**Effectively reduce the power loss due to shadow**

Because of the shingled-cell technology and fully parallel module layout design, the Mini Eclipse module has many advantages, such as high efficiency, hot spots resistance and reduced mismatch losses.

**MINI modules are small and flexible, making full use of the roof.**

Residential roofs have limited area, which is also complex. Conventional PV modules can not make full use of the roof space. Seraphim MINI eclipse modules are smaller and more flexible than conventional modules, so a good choice for the complex or irregular roof. The residential projects can make full use of the limited installation area and increase the installed capacity.

**System capacity:**
- 2.52KW (Conventional module-Monocrystal 280W)
- Annual energy production 2880KWh
- 3.375KW (Mini eclipse 150W + 225W)
- Annual energy production 3800KWh
- 31.9% more power output

**31.9% more power output**

**Insurances**

**Warranty**

- 10 years on material and workmanship
- 25 years on power output warranty

**Improved Reliability and Durability**

**Reliable Connection**

**Low Resistance**

**Designated by SHINING AWARD LINEAR WARRANTY**

**Electrical Characteristics**

<table>
<thead>
<tr>
<th>SRP-75-G0B3</th>
<th>SRP-75-G0B3</th>
<th>SRP-80-G0B3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power (Pmp)</td>
<td>70</td>
<td>53</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>22.3</td>
<td>20.8</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>4.04</td>
<td>3.26</td>
</tr>
<tr>
<td>Maximum Power Voltage (Vmp)</td>
<td>18.0</td>
<td>17.1</td>
</tr>
<tr>
<td>Maximum Power Current (Imp)</td>
<td>3.90</td>
<td>3.10</td>
</tr>
<tr>
<td>Module Efficiency at STC(m)</td>
<td>16.76</td>
<td>17.96</td>
</tr>
<tr>
<td>Power Tolerance</td>
<td>-0.495%</td>
<td></td>
</tr>
<tr>
<td>Maximum System Voltage</td>
<td>1000 VDC</td>
<td></td>
</tr>
<tr>
<td>Maximum Series Fuse Rating</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

**Temperature Characteristics**

- Pmax Temperature Coefficient: -0.36%/°C
- Voc Temperature Coefficient: -0.28%/°C
- Isc Temperature Coefficient: +0.05%/°C
- Operating Temperature: -40~+85 °C
- Nominal Operating Cell Temperature (NOCT): 45±2 °C

**Mechanical Specifications**

- System capacity: 1031 x 405 x 35 mm
- Weight: 6.0kg
- Solar Cells: Mono crystalline
- Front Glass: 3.2 mm tempered glass, low iron
- Frame: Anodized aluminum alloy
- Junction Box: IP68
- Output Cables: 4.0 mm, 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’GP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pieces per Pallet</td>
<td>90</td>
<td>90</td>
</tr>
<tr>
<td>Pieces per Container</td>
<td>12</td>
<td>28</td>
</tr>
<tr>
<td>Pieces per Container</td>
<td>1050</td>
<td>2500</td>
</tr>
</tbody>
</table>

**I-V Curve (SRP-75-G0B3)**

**SRP-DS-EN-2019V3.0 © Copyright 2019 Seraphim**

Specifications are subject to change without further notification.