**SIV SERIES**

Small Changes, Big Accomplishments

390-405W

* **SIV SERIES**
Seraphim redefined the high-efficiency module series by integrating 182mm silicon wafers with multi-busbar and half-cut cell technologies. Seraphim panel combined creative technology effectively and extremely improved the module efficiency and power output.

* **KEY FEATURES**
- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Ideal choice for utility and commercial scale projects by reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent environment condition:
  - Sand, acid, salt and hail stones
  - 2400 Pa wind load and 5400 Pa snow load
  - Anti-PID

* **QUALITY SYSTEM**
ISO9001 / ISO14001 / ISO45001

* **PRODUCT CERTIFICATION**

* **INSURANCE**

* **WARRANTY**

<table>
<thead>
<tr>
<th>Years</th>
<th>0</th>
<th>5</th>
<th>10</th>
<th>15</th>
<th>20</th>
<th>25</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warranty</td>
<td>100%</td>
<td>98%</td>
<td>93.05%</td>
<td>90.3%</td>
<td>87.85%</td>
<td>84.80%</td>
</tr>
</tbody>
</table>

Additional value from Linear Warranty:
- 1.85%
- 2.60%
- 3.35%
- 4.10%

 ATT: No.10, Tongshun Rd, Haunghe Town, WuJin District, 213000, Changzhou, China
 Tel: +86-519-88788166 Email: info@seraphim-energy.com
**Temperature Characteristics**

- **Pmax Temperature Coefficient**: -0.35 %/°C
- **Voc Temperature Coefficient**: -0.27 %/°C
- **Isc Temperature Coefficient**: +0.05 %/°C
- **Operating Temperature**: -40 to +85 °C
- **Nominal Operating Cell Temperature (NOCT)**: 45±2 °C

**Mechanical Specifications**

- **External Dimensions**: 1730 x 1134 x 35 mm
- **Weight**: 21.8 kg
- **Solar Cells**: PERC Mono (108 pcs)
- **Front Glass**: 3.2mm AR coating tempered glass, low iron
- **Frame**: Black anodized aluminium alloy
- **Junction Box**: IP68, 3 diodes
- **Output Cables**: 4.0mm², 250mm(+)/350mm(-) or Customized Length
- **Mechanical Load**: Front side 5400Pa/ Rear side 2400Pa

**Packing Configuration**

<table>
<thead>
<tr>
<th>Container</th>
<th>Pieces per Pallet</th>
<th>Pallets per Container</th>
<th>Pieces per Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>20'GP</td>
<td>31+4*</td>
<td>6</td>
<td>210</td>
</tr>
<tr>
<td>40'HQ</td>
<td>31</td>
<td>26</td>
<td>806</td>
</tr>
</tbody>
</table>

*31+4 pieces per pallet is the special package which only suits for container transport. For details, please consult SERAPHIM.