**SIV SERIES**
Small Changes, Big Accomplishments

390-405W

**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 improve ROI
- Outstanding reliability proven by PVEL for stringent environment condition:
  - Sand, acid, salt and hail stones
  - 2400pa wind load and 5400pa snow load
  - Anti-PID

**QUALITY SYSTEM**
ISO19001 / ISO14001 / OHSAS18001

**PRODUCT CERTIFICATION**

**INSURANCE**

**WARRANTY**

![Additional Value from Linear Warranty](chart.png)

- **15 YEARS** Guarantee on product material and workmanship
- **25 YEARS** Linear power output warranty

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.
### Electrical Characteristics

<table>
<thead>
<tr>
<th>Module Type</th>
<th>SRP-300-BMD-HV</th>
<th>SRP-395-BMD-HV</th>
<th>SRP-400-BMD-HV</th>
<th>SRP-405-BMD-HV</th>
</tr>
</thead>
<tbody>
<tr>
<td>STC</td>
<td>390</td>
<td>395</td>
<td>400</td>
<td>405</td>
</tr>
<tr>
<td>Maximum Power at STC (Pmp)</td>
<td>390</td>
<td>395</td>
<td>400</td>
<td>405</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>36.90</td>
<td>37.01</td>
<td>37.12</td>
<td>37.22</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>13.40</td>
<td>13.50</td>
<td>13.60</td>
<td>13.70</td>
</tr>
<tr>
<td>Maximum Power Voltage (Vmp)</td>
<td>30.59</td>
<td>30.69</td>
<td>30.81</td>
<td>30.93</td>
</tr>
<tr>
<td>Maximum Power Current (Imp)</td>
<td>12.78</td>
<td>12.88</td>
<td>12.99</td>
<td>13.10</td>
</tr>
<tr>
<td>Module Efficiency at STC(Tm)</td>
<td>19.88</td>
<td>20.13</td>
<td>20.39</td>
<td>20.64</td>
</tr>
</tbody>
</table>

#### Power Tolerance

(0,±3%)

#### Maximum System Voltage

1500V DC

#### Maximum Series Fuse Rating

25 A

**STC**: Irradiance 1000 W/m², module temperature 25°C, AM=1.5

*Power measurement tolerance: ±/−3%*

### Temperature Characteristics

- **Pmax Temperature Coefficient**: -0.35 %/°C
- **Voc Temperature Coefficient**: -0.27 %/°C
- **Isc Temperature Coefficient**: +0.05 %/°C
- **Operating Temperature**: -40 ～ +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**: 3.2 mm AR coating tempered glass, low iron
- **Frame**: Anodized aluminum alloy
- **Junction Box**: IP68, 3 diodes
- **Output Cables**: 4.0 mm², 250 mm(+) / 350 mm(-) or Customized Length
- **Mechanical Load**: Front side 5400Pa / Rear side 2400Pa

### Packing Configuration

<table>
<thead>
<tr>
<th>Container</th>
<th>1730 x 1134 x 35 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pieces per Pallet</td>
<td>20'GP</td>
</tr>
<tr>
<td>Pallets per Container</td>
<td>31+4*</td>
</tr>
<tr>
<td>Pieces per Container</td>
<td>6</td>
</tr>
<tr>
<td>Pieces per Container</td>
<td>210</td>
</tr>
</tbody>
</table>

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

Specifications are subject to change without further notification

© Copyright 2021 Seraphim

JIANGSU SERAPHIM SOLAR SYSTEM CO., LTD

Add: No.10, Tongshun Rd, Hengli Town, Wujin District, 213000, Changzhou, China
Tel: +86-519-69969879 Email: info@seraphim-energy.com