Nebula 400-415W
Lightweight modules

**PERC** 182mm

- **PERC MODULE ADVANTAGE**
  - Less mismatch to get more power
  - Less power loss by minimizing the shading impact
  - Excellent low-light performance
  - Low BOS and LCOE
  - 3 times EL test to ensure best quality
  - Superior load capacity 2400 Pa wind load & 5400 Pa snow load

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

- **PRODUCT CERTIFICATION**

- **INSURANCE**

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

**Additional Value from Linear Warranty**

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Tel: +86-564-7736177 Email: info@seraphim-energy.com
**Electrical Characteristics**

<table>
<thead>
<tr>
<th>Module Type</th>
<th>SRP-400-BMD-HV</th>
<th>SRP-405-BMD-HV</th>
<th>SRP-410-BMD-HV</th>
<th>SRP-415-BMD-HV</th>
</tr>
</thead>
<tbody>
<tr>
<td>STC NOCT</td>
<td>400 301</td>
<td>405 304</td>
<td>410 308</td>
<td>415 311</td>
</tr>
<tr>
<td>Maximum Power at STC (Pmp)</td>
<td>37.12 34.64</td>
<td>37.22 34.73</td>
<td>37.32 34.81</td>
<td>37.42 34.90</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>30.81 28.82</td>
<td>30.93 28.91</td>
<td>31.05 29.05</td>
<td>31.16 29.19</td>
</tr>
<tr>
<td>Module Efficiency at STC(nm)</td>
<td>20.48</td>
<td>20.74</td>
<td>21.00</td>
<td>21.25</td>
</tr>
<tr>
<td>Power Tolerance(W)</td>
<td>0.499</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum System Voltage</td>
<td>1500V DC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Series Fuse Rating</td>
<td>25 A</td>
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</tr>
</tbody>
</table>

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5
Power measurement tolerance: ±3%

**Temperature Characteristics**

- Pmax Temperature Coefficient: -0.34 %/°C
- Voc Temperature Coefficient: -0.26 %/°C
- Isc Temperature Coefficient: +0.05 %/°C
- Operating Temperature: -40 ~ +85 °C
- Nominal Operating Cell Temperature(NOCT): 45±2 °C

**Mechanical Specifications**

- External Dimensions: 1722 x 1134 x 28 mm
- Weight: 21.0 kg
- Solar Cells: PERC Mono (108 pcs)
- Front Glass: 3.2mm AR coating tempered glass, low iron
- Frame: 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>1722 x 1134 x 28 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>20'GP</td>
<td>39</td>
</tr>
<tr>
<td>40'HQ</td>
<td>39</td>
</tr>
</tbody>
</table>

For details, please consult SERAPHIM.