**SII SERIES**
Multiple upgrades were forged into one
400-415w

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**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, and alkali, hail stones,
  - 2400pa wind load and 5400pa snow load.
  - Anti-PID

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**QUALITY SYSTEM**
ISO19001 / ISO14001 / OHSAS18001

**PRODUCT CERTIFICATION**

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**INSURANCE**

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**WARRANTY**

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**SII SERIES**
Seraphim redefined the high-efficiency module series by integrating 158.75mm 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.

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**Jiangsu Seraphim Solar System Co., Ltd.**
Add: No.1-2, Hengyao Rd, Henglin Town, Wujin District, 213000, Changzhou, China
Tel: +86-519-69699879 Fax: +86-519-88786181 Email: info@seraphim-energy.com
Mechanical Specifications

Temperature Characteristics

- Maximum Power at STC (Pmp): 400, 405, 410, 415
- Open Circuit Voltage (Voc): 49.1, 49.4, 49.6, 49.8
- Short Circuit Current (Isc): 10.1, 10.15, 10.23, 10.3
- Maximum Power Voltage (Vmp): 41.6, 41.9, 42.1, 42.3
- Module Efficiency at STC (ηm): 19.81, 20.06, 20.31, 20.55

Power Tolerance: (0, +4.99)

Maximum System Voltage: 1500 VDC

Maximum Series Fuse Rating: 20A

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

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

Electrical Characteristics

<table>
<thead>
<tr>
<th>Module Type</th>
<th>SRP-400-BMA-HV</th>
<th>SRP-405-BMA-HV</th>
<th>SRP-410-BMA-HV</th>
<th>SRP-415-BMA-HV</th>
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</thead>
<tbody>
<tr>
<td>STC</td>
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<td>Maximum Power at STC (Pmp)</td>
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<tr>
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<tr>
<td>Short Circuit Current (Isc)</td>
<td>10.1, 10.15, 10.23, 10.3</td>
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<tr>
<td>Maximum Power Voltage (Vmp)</td>
<td>41.6, 41.9, 42.1, 42.3</td>
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<tr>
<td>Maximum Power Current (Imp)</td>
<td>9.62, 9.67, 9.74, 9.82</td>
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<tr>
<td>Module Efficiency at STC (ηm)</td>
<td>19.81, 20.06, 20.31, 20.55</td>
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<tr>
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</tr>
</tbody>
</table>

Mechanical Specifications

- External Dimensions: 2015 x 1002 x 35 mm
- Weight: 22.0kg
- Solar Cells: PERC Mono (144pcs)
- Front Glass: 3.2 mm AR coating tempered glass, low iron
- Frame: Anodized aluminum alloy
- Junction Box: IP68, 3 diodes
- Output Cable: 4.0 mm², Portrait:255mm(+)/355mm(-); Landscape:1200mm
- Mechanical Load: Front side 5400Pa/ Back side 2400Pa

Packing Configuration

<table>
<thead>
<tr>
<th>Container</th>
<th>Pieces per Pallet</th>
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</tr>
</thead>
<tbody>
<tr>
<td>20'GP</td>
<td>31</td>
<td>10</td>
<td>310</td>
</tr>
<tr>
<td>40'HQ</td>
<td>31 + 2*</td>
<td>22</td>
<td>726</td>
</tr>
</tbody>
</table>

* 31 + 2 pieces per pallet is the special package which only suits for container transport. For details, please consult SERAPHIM.