SIV SERIES
Small Changes, Big Accomplishments
525-540W

• 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
PICC

• WARRANTY

Jiangsu Seraphim Solar System Co., Ltd
Add: No.10, Tonghezhuang Road, Huanghe Town, Wujiang District, 213000, Changzhou, China
Tel: +86-519-68788166 Email: info@seraphim-energy.com
**Electrical Characteristics**

<table>
<thead>
<tr>
<th>Module Type</th>
<th>SRP-525-BMA-HV</th>
<th>SRP-530-BMA-HV</th>
<th>SRP-535-BMA-HV</th>
<th>SRP-540-BMA-HV</th>
</tr>
</thead>
<tbody>
<tr>
<td>STC NOCT</td>
<td>525 395</td>
<td>530 399</td>
<td>535 402</td>
<td>540 406</td>
</tr>
<tr>
<td>Maximum Power at STC (Pmp)</td>
<td>49.20 45.90</td>
<td>49.33 46.03</td>
<td>49.40 46.09</td>
<td>49.50 46.18</td>
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<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>13.50 10.91</td>
<td>13.50 10.35</td>
<td>12.88 10.35</td>
<td>12.88 10.35</td>
</tr>
<tr>
<td>Short Current (Isc)</td>
<td>40.78 38.22</td>
<td>41.03 38.27</td>
<td>41.29 38.33</td>
<td>41.55 38.39</td>
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<tr>
<td>Maximum Power Current (Imp)</td>
<td>20.31 20.51</td>
<td>20.70 20.89</td>
<td>20.70 20.89</td>
<td>20.70 20.89</td>
</tr>
<tr>
<td>Module Efficiency at STC(nm)</td>
<td>(0, +3%)</td>
<td>(0, +3%)</td>
<td>(0, +3%)</td>
<td>(0, +3%)</td>
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<tr>
<td>Power Tolerance</td>
<td>-0.35 %/°C</td>
<td>-0.35 %/°C</td>
<td>-0.27 %/°C</td>
<td>+0.05 %/°C</td>
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<tr>
<td>Maximum System Voltage</td>
<td>1500V DC</td>
<td>1500V DC</td>
<td>1500V DC</td>
<td>1500V DC</td>
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<tr>
<td>Maximum Series Fuse Rating</td>
<td>25 A</td>
<td>25 A</td>
<td>25 A</td>
<td>25 A</td>
</tr>
</tbody>
</table>

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

**Temperature Characteristics**

- Pmax Temperature Coefficient: -0.35 %/°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: 2279x1134x35 mm
- Weight: 27 kg
- Solar Cells: PERC Mono (144pcs)
- 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>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>4</td>
<td>140</td>
</tr>
<tr>
<td>40’HQ</td>
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<td>20</td>
<td>620</td>
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</tbody>
</table>

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