HNM7-SHDB144 Series
Hounen Solar 10BB HALF-CELL Bifacial Monocrystalline P - TYPE Solar Module

KEY FEATURES

- **Excellent Cells Efficiency**
  MBB technology reduce the distance between busbars and finger grid line which is benefit to power increase.

- **Anti PID**
  Ensured PID resistance through the quality control of cell manufacturing process and raw materials.

- **Bifacial Technology**
  Up to 25% additional power gain from back side depending on albedo.

- **Better Weak Illumination Response**
  More power output in weak light condition, such as haze, cloudy, and early morning.

- **Adapt To Harsh Outdoor Environment**
  Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity environment.

LINEAR PERFORMANCE WARRANTY

- **12 YEARS PRODUCT WARRANTY**
- **25 YEARS OUTPUT GUARANTEE**

IEC61730, UL61730
ISO9001:2015: Quality Management System
ISO14001:2015: Environment Management System
ISO45001:2018 Occupational health and safety management systems
### Electrical Characteristics

<table>
<thead>
<tr>
<th>Module Type</th>
<th>HNM7-SHDB144-530/M</th>
<th>HNM7-SHDB144-535/M</th>
<th>HNM7-SHDB144-540/M</th>
<th>HNM7-SHDB144-545/M</th>
<th>HNM7-SHDB144-550/M</th>
<th>HNM7-SHDB144-555/M</th>
</tr>
</thead>
<tbody>
<tr>
<td>STC/STC</td>
<td>530</td>
<td>535</td>
<td>540</td>
<td>545</td>
<td>550</td>
<td>555</td>
</tr>
<tr>
<td>NMOT/STC</td>
<td>396.40</td>
<td>399.90</td>
<td>403.60</td>
<td>406.80</td>
<td>410.80</td>
<td>414.60</td>
</tr>
<tr>
<td>Nominal Power Watt (W)*</td>
<td>555</td>
<td>562</td>
<td>567</td>
<td>572</td>
<td>578</td>
<td>583</td>
</tr>
<tr>
<td>Maximum Power Voltage (V)</td>
<td>21.48%</td>
<td>21.76%</td>
<td>22.14%</td>
<td>22.37%</td>
<td>22.57%</td>
<td>22.57%</td>
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<tr>
<td>Open Circuit Voltage (V)</td>
<td>45.90</td>
<td>46.20</td>
<td>46.30</td>
<td>46.50</td>
<td>46.70</td>
<td>47.10</td>
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<tr>
<td>Module Efficiency (%)</td>
<td>20.52</td>
<td>20.71</td>
<td>20.90</td>
<td>21.10</td>
<td>21.29</td>
<td>21.48</td>
</tr>
</tbody>
</table>

*STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25±2℃, AM 1.5.
*NMOT: Irradiance 800W/m², Ambient Temperature 20℃, AM 1.5, Wind Speed 1m/s.

### Packaging Configuration

<table>
<thead>
<tr>
<th>Container</th>
<th>40’HQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piece/Box</td>
<td>31</td>
</tr>
<tr>
<td>Piece/Container</td>
<td>620</td>
</tr>
</tbody>
</table>

*Customized packaging is available upon request.

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**Packaging**

- **Container**: 40’HQ
- **Piece/Box**: 31
- **Piece/Container**: 620

*Customized packaging is available upon request.

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**Mechanical Data**

- **Solar Cells**: Mono P-Type
- **Cells Orientation**: 144 (6x24)
- **Module Dimension**: 2278x1134x35 (With Frame)
- **Weight**: 20±1Kg
- **Glass**: 3.2mm, High Transmission, AR Coated Tempered Glass
- **Junction Box**: IP68, 3 diodes
- **Cables**: 4 mm², 350mm (With Connectors)
- **Connectors**: MC4

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**Revision Information**

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Specifications included in this datasheet are subject to change without notice.