**DCHHigh-Performance Panel**

High Yields due to high-efficient Busbar-Technology. DCH modules guarantees higher conversion efficiency of the cells and an excellent low insulation utilization. The photovoltaic effect is used more effectively.

- Use of pre-selected cells only
- Narrow output tolerance
- Plus-sorted modules delivered
- Wide temperature range
- High resistance to mechanical loads
- UV / Ozone resistant
- Flash-Daten for each module provided
- Easy and fast installation
- Self-supporting aluminium frame
- System voltage up to 1000V

10 Years Product Warranty
10 Years Limited Performance Warranty for 90% of nominal power
25 Years Limited Performance Warranty for 80% of nominal Power

DCH-6HM/60-310
## Electrical characteristics

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DCH-6HM/60-310</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pmax (W)</td>
<td>310</td>
</tr>
<tr>
<td>Vmp (V)</td>
<td>33.18</td>
</tr>
<tr>
<td>Imp (A)</td>
<td>9.35</td>
</tr>
<tr>
<td>Voc (V)</td>
<td>40.82</td>
</tr>
<tr>
<td>Isc (A)</td>
<td>9.89</td>
</tr>
<tr>
<td>EFF.</td>
<td>18.98%</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>-40°C ~ +85°C</td>
</tr>
<tr>
<td>Maximum system voltage</td>
<td>DC 1000V</td>
</tr>
<tr>
<td>Maximum Series Fuse Rating</td>
<td>15A</td>
</tr>
<tr>
<td>Tolerance of power</td>
<td>0~5W</td>
</tr>
<tr>
<td>Max. Wind Load</td>
<td>2400Pa</td>
</tr>
<tr>
<td>Snow Load</td>
<td>5400Pa</td>
</tr>
</tbody>
</table>

## Mechanical characteristics

<table>
<thead>
<tr>
<th>Solar Cell</th>
<th>Mono, PERC, 156.75*156.75mm, 5BB</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of cells and connections</td>
<td>60pcs (6*10 matrix)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1650<em>990</em>35mm</td>
</tr>
<tr>
<td>Weight</td>
<td>18.5kg</td>
</tr>
</tbody>
</table>

## Guarantee

- 10 years limited product warranty
- 10 years 90% limited power warranty
- 25 years 80% limited power warranty
- IEC61215/IEC61730
- ISO 9001:2008
- Spectrum: AM1.5
- Module temperature: 25°C

## Standard test condition

- Irradiance: 1000 W/m²
- Temperature coefficient of Isc (disc): 0.0007%/K
- Temperature coefficient of Voc (Voc): -0.2771%/K
- Temperature coefficient of Pmax (Pmax): -0.380%/K
- Spectrum: AM1.5
- Irradiance: 1000 W/m²
- Module temperature: 25°C

## Quality certification

- IEC61215/IEC61730
- ISO 9001:2008

## Product Application

- High-power generation systems
- Rural areas, islands, mountains, Villas, mountain cottages and other remote areas
- Grid or off-grid commercial or industrial buildings
- Independent power generation applications
- Solar power stations
- Radio relay stations and Telemeter systems
- Solar villages, solar roofs and other systems
- Pumps, Lighting equipment, Beacons and Traffic signs
- Office buildings, Telecommunication systems
- Grid connected residential systems

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