Hi-MO 3

LR6-72HBD
360~385M

High Efficiency
Low LID Bifacial PERC with
Half-cut Technology

10-year Warranty for Materials and Processing;
30-year Warranty for Extra Linear Power Output

-0.45%
30-year Power
Warranty Annual
Power Attenuation

84.95%

Complete System and Product Certifications
IEC 61215, IEC61730, UL1703
ISO 14001: 2004: ISO Environment Management System
TS62941: Guideline for module design qualification and type approval
OHSAS 18001: 2007 Occupational Health and Safety

Front side performance equivalent to conventional low LID mono PERC:
- High module conversion efficiency (up to 19.1%)
- Better energy yield with excellent low irradiance performance and temperature coefficient
- First year power degradation <2%

Bifacial technology enables additional energy harvesting from rear side (up to 25%)

Glass/glass lamination ensures 30 year product lifetime, with annual power degradation < 0.45%,
1500V compatible to reduce BOS cost

30mm frame design enables easy installation and robust mechanical strength

Solid PID resistance ensured by solar cell process optimization and careful module 90M selection

Reduced resistive loss with lower operating current

Higher energy yield with lower operating temperature

Reduced hot spot risk with optimized electrical design and lower operating current

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Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LONGi Solar have the sole right to make such modification at anytime without further notice; Demanding party shall request for the latest datasheet for such as contract need, and make it a consisting and binding part of lawful documentation duly signed by both parties.
LR6-72HBD 360~385M

**Design (mm)**

**Mechanical Parameters**

- Cell Orientation: 144 (6x24)
- Junction Box: IP67, three diodes
- Output Cable: 4mm², 300mm in length, length can be customized
- Glass: Dual glass, 2.0mm tempered glass
- Frame: Anodized aluminum alloy/frame
- Weight: 25.8kg
- Dimension: 2020x996x30mm
- Packaging: 35pcs per pallet
  - 175pcs per 20GP
  - 770pcs per 40HC

**Operational Parameters**

- Operational Temperature: -40°C ~ +65°C
- Power Output Tolerance: ±5 W
- Voc and Isc Tolerance: ±3%
- Maximum System Voltage: DC1500V (IEC/UL)
- Maximum Series Fuse Rating: 20A
- Nominal Operating Cell Temperature: 45±2°C
- Safety Class: Class II
- Fire Rating: UL type E
- Bifacial: Coating: 75%
  - Glazing: 70%

**Electrical Characteristics**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>LR6-72HBD-360M</th>
<th>LR6-72HBD-355M</th>
<th>LR6-72HBD-370M</th>
<th>LR6-72HBD-375M</th>
<th>LR6-72HBD-380M</th>
<th>LR6-72HBD-385M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Testing Condition</td>
<td>STC</td>
<td>NOCT</td>
<td>STC</td>
<td>NOCT</td>
<td>STC</td>
<td>NOCT</td>
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<tr>
<td>Maximum Power (Pmax/W)</td>
<td>360</td>
<td>267.7</td>
<td>365</td>
<td>271.4</td>
<td>370</td>
<td>275.1</td>
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<tr>
<td>Open Circuit Voltage (Voc/V)</td>
<td>47.7</td>
<td>44.4</td>
<td>47.9</td>
<td>44.6</td>
<td>48.1</td>
<td>44.8</td>
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<tr>
<td>Short Circuit Current (Isc/A)</td>
<td>9.64</td>
<td>7.80</td>
<td>9.72</td>
<td>7.87</td>
<td>9.80</td>
<td>7.93</td>
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<tr>
<td>Voltage at Maximum Power (Vmp/V)</td>
<td>39.4</td>
<td>36.6</td>
<td>39.6</td>
<td>36.8</td>
<td>39.8</td>
<td>36.9</td>
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<tr>
<td>Module Efficiency (%)</td>
<td>17.9</td>
<td>18.1</td>
<td>18.4</td>
<td>19.0</td>
<td>18.6</td>
<td>18.9</td>
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</tbody>
</table>

**Test uncertainty for Pmax: ±3%**

**Electrical characteristics with different rear side power gain (reference to 370W front)**

<table>
<thead>
<tr>
<th>Pmax/W</th>
<th>Voc/V</th>
<th>Isc/A</th>
<th>Vmp/V</th>
<th>Imp/A</th>
<th>Pmax gain</th>
</tr>
</thead>
<tbody>
<tr>
<td>389</td>
<td>48.1</td>
<td>10.29</td>
<td>39.8</td>
<td>9.76</td>
<td>5%</td>
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<tr>
<td>407</td>
<td>48.3</td>
<td>10.29</td>
<td>38.8</td>
<td>10.23</td>
<td>10%</td>
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<tr>
<td>426</td>
<td>48.2</td>
<td>11.26</td>
<td>39.9</td>
<td>10.69</td>
<td>15%</td>
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<tr>
<td>444</td>
<td>48.2</td>
<td>11.75</td>
<td>39.9</td>
<td>11.16</td>
<td>20%</td>
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<tr>
<td>463</td>
<td>48.2</td>
<td>12.24</td>
<td>39.9</td>
<td>11.62</td>
<td>25%</td>
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</tbody>
</table>

**Temperature Ratings (STC)**

- Front Side Maximum Static Loading: 5400Pa
- Rear Side Maximum Static Loading: 2400Pa
- Hailstone Test: 25mm Hailstone at the speed of 23m/s

**Mechanical Loading**

| Temperature Coefficient of Isc | +0.060%/°C |
| Temperature Coefficient of Voc | -0.300%/°C |
| Temperature Coefficient of Pmax | -0.370%/°C |

**I-V Curve**

- Current-Voltage Curve (LR6-72HBD-370M)
- Power-Voltage Curve (LR6-72HBD-370M)
- Current-Voltage Curve (LR6-72HBD-370M)

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