LR6–60BP
295~320M

Hi-MO2 High Efficiency Low LID Bifacial PERC Technology
Best Solution for Lower LCOE

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

Specifications subject to technical changes and tests. LONGi Solar reserves the right of interpretation.

Front side performance equivalent to conventional low LID mono PERC:
- High module conversion efficiency (up to 19.3%)
- 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 BOM selection

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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 consistent and binding part of lawful documentation duly signed by both parties.
### Electrical Characteristics

<table>
<thead>
<tr>
<th>Model Number</th>
<th>LR6-60BP-295M</th>
<th>LR6-60BP-300M</th>
<th>LR6-60BP-305M</th>
<th>LR6-60BP-310M</th>
<th>LR6-60BP-315M</th>
<th>LR6-60BP-320M</th>
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</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>
</tr>
<tr>
<td>Maximum Power (Pmax/W)</td>
<td>295</td>
<td>219.4</td>
<td>300</td>
<td>223.1</td>
<td>305</td>
<td>226.8</td>
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<tr>
<td>Open Circuit Voltage (Voc/V)</td>
<td>39.9</td>
<td>37.2</td>
<td>40.0</td>
<td>37.3</td>
<td>40.1</td>
<td>37.3</td>
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<tr>
<td>Short Circuit Current (Isc/A)</td>
<td>9.68</td>
<td>7.83</td>
<td>9.79</td>
<td>7.93</td>
<td>9.92</td>
<td>8.03</td>
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<tr>
<td>Voltage at Maximum Power (Vmp/V)</td>
<td>32.4</td>
<td>30.1</td>
<td>32.5</td>
<td>30.2</td>
<td>32.7</td>
<td>30.4</td>
</tr>
<tr>
<td>Module Efficiency (%)</td>
<td>17.8</td>
<td>18.1</td>
<td>18.4</td>
<td>18.7</td>
<td>19.0</td>
<td>19.3</td>
</tr>
</tbody>
</table>

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25 °C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20 °C, Spectra at AM1.5, Wind at 1m/s

Electrical characteristics with different rear side power gain (reference to 310W 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>326</td>
<td>40.2</td>
<td>10.56</td>
<td>32.9</td>
<td>9.92</td>
<td>5%</td>
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<tr>
<td>341</td>
<td>40.2</td>
<td>11.06</td>
<td>32.9</td>
<td>10.39</td>
<td>10%</td>
</tr>
<tr>
<td>357</td>
<td>40.3</td>
<td>11.56</td>
<td>33.0</td>
<td>10.86</td>
<td>15%</td>
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<tr>
<td>372</td>
<td>40.3</td>
<td>12.06</td>
<td>33.0</td>
<td>11.33</td>
<td>20%</td>
</tr>
<tr>
<td>388</td>
<td>40.3</td>
<td>12.57</td>
<td>33.0</td>
<td>11.80</td>
<td>25%</td>
</tr>
</tbody>
</table>

### Temperature Ratings (STC)

- Temperature Coefficient of Isc: +0.60%/°C
- Temperature Coefficient of Voc: -0.30%/°C
- Temperature Coefficient of Pmax: -0.370%/°C

### Mechanical Loading

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

### I-V Curve

[Current-Voltage Curve (LR6-60BP-310M) and Power-Voltage Curve (LR6-60BP-310M) diagrams included]

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