LR6-60PE
285~305W

**Hi-MO 1 Top Runner in PV industry**

**High efficiency Low LID High Reliability**

LONGi Solar mono module products with high efficiency and high reliability can reach the highest output power of 305W. The most advanced module manufacturing technologies are applied to get lower OPCT and excellent performance at low irradiance and to ensure the power generation and investment revenue for customers.

**10-year Warranty for Materials and Processing; 25-year Warranty for Extra linear Power Output**

**Complete System and Product Certifications**

- IEC 61215, IEC 61730, UL 1703, CQC, CE
- OHSAS 18001: 2007 Occupational Health and Safety Management System

**Positive Power Tolerance**

0 – +5W positive tolerance of maximal output power guaranteed.

**High Conversion Efficiency**

The highest efficiency up to 18.7%.

**Excellent Performance in Low Irradiance Condition**

Outstanding power output in low irradiance condition: dawn, dusk and rainy days, etc.

**Anti-PID**

Anti-PID technologies of both cell and module are applied to ensure the excellent anti-PID performance.

**Adaptability to Harsh Environments**

Excellent weather resistance: salt spray resistance, ammonia resistance, etc.

**Robust Frame, 40mm Thickness**

Good pressure resistance, be able to hold 2400Pa wind pressure and 5400Pa snow pressure.

*Specifications subject to technical changes and tests. LONGi Solar reserves the right of final interpretation.*
LR6-60PE 285~305W

Design Paper (mm)

Mechanical Parameters

- Number of cells: 60 (6 x 10)
- Junction Box: IP67, 3 diodes
- Output Cable: ø = 4mm², L=1000mm
- Connector: MC4 or compatible with MC4
- Weight: 18.2 kg
- Dimension: 1650 x 991 x 40mm
- Package: 26 pcs per pallet

Operating Parameters

- Operating Temperature: -40 ~ +85°C
- Power Tolerance: ± 4.5 W
- Max System Voltage: DC1000V (IEC)
- Max Fuse Current: 15A
- NOCT: 45 ± 2°C
- Application Class: Class A

Electrical Characteristics

<table>
<thead>
<tr>
<th>Module Type</th>
<th>LR6-60PE-285M</th>
<th>LR6-60PE-290M</th>
<th>LR6-60PE-295M</th>
<th>LR6-60PE-300M</th>
<th>LR6-60PE-305M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Condition</td>
<td>STC</td>
<td>NOCT</td>
<td>STC</td>
<td>NOCT</td>
<td>STC</td>
</tr>
<tr>
<td>Power output (Pmax W)</td>
<td>285</td>
<td>209.5</td>
<td>290</td>
<td>213.2</td>
<td>295</td>
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<tr>
<td>Voc (V)</td>
<td>39.5</td>
<td>36.5</td>
<td>39.7</td>
<td>36.7</td>
<td>39.9</td>
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<tr>
<td>Isc (A)</td>
<td>9.46</td>
<td>7.62</td>
<td>9.58</td>
<td>7.72</td>
<td>9.69</td>
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<tr>
<td>Vmp (V)</td>
<td>32.1</td>
<td>29.5</td>
<td>32.3</td>
<td>29.7</td>
<td>32.6</td>
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<tr>
<td>Imp (A)</td>
<td>8.88</td>
<td>7.10</td>
<td>8.98</td>
<td>7.18</td>
<td>9.05</td>
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<tr>
<td>Efficiency (%)</td>
<td>17.4</td>
<td>/</td>
<td>17.7</td>
<td>/</td>
<td>18.0</td>
</tr>
</tbody>
</table>

STC (Standard Testing Condition): Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

Temperature Coefficient (STC) & Load

- Temperature coefficient of Isc: +0.05%/°C
- Temperature coefficient of Voc: -0.30%/°C
- Temperature coefficient of Pmax: -0.39%/°C

- Maximum Front Static Load (Wind or Snow): 5000 pa
- Maximum Rear Static Load (Wind): 2400 pa
- Hailstone Test: 25mm Hailstone at the speed of 23 m/s

I-V Curve

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.