Hi-MO 3m

LR6-60HPH
300~320M

High Efficiency
Low LID Mono PERC with
Half-cut Technology

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

-0.55%
25-year Power Warranty Annual Power Attenuation
-0.55%

+4.10%

Complete System and Product Certifications
IEC 61215, IEC61730
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.

Positive power tolerance [0 ~ +5W] guaranteed

High module conversion efficiency (up to 19.3%)

Slower power degradation enabled by Low LID Mono PERC technology: first year <2%, 0.55% year 2-25

Solid PID resistance ensured by solar cell process optimization and careful module BOM 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.
LR6-60HPH 300~320M

**Design (mm)**

**Mechanical Parameters**

**Operating Parameters**

- Cell Orientation: 120 (8x20)
- Junction Box: P67, three diodes
- Output Cable: 4mm², 300mm in length
- Glass: Singly glass 2.8mm coated tempered glass
- Frame: Anodized aluminum alloy frame
- Weight: 16.8kg
- Dimensions: 1672x991x35mm
- Packaging: 30pcs per pallet
- 180pcs per 20GP
- 780pcs per 40HC

- Operational Temperature: -40°C ~ +85°C
- Power Output Tolerance: 0% ± 5W
- Voc and Isc Tolerance: ±3%
- Maximum System Voltage: DC1500V (EC)
- Maximum Series Fuse Rating: 20A
- Nominal Operating Cell Temperature: 45±2°C
- Safety Class: Class II

## Electrical Characteristics

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<th>Model Number</th>
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<th>LR6-60HPH-310M</th>
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<td>NOCT</td>
<td>STC</td>
<td>NOCT</td>
<td>STC</td>
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<tr>
<td>Maximum Power (Pmax/W)</td>
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<td>222.2</td>
<td>305</td>
<td>225.9</td>
<td>310</td>
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<tr>
<td>Open Circuit Voltage (Voc/V)</td>
<td>39.8</td>
<td>37.1</td>
<td>40.1</td>
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<td>40.3</td>
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<td>Short Circuit Current (Isc/A)</td>
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<td>9.78</td>
<td>7.88</td>
<td>9.86</td>
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<tr>
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<td>33.1</td>
<td>30.6</td>
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<td>9.13</td>
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<td>9.21</td>
<td>7.38</td>
<td>9.30</td>
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<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

## Temperature Ratings (STC)

- Temperature Coefficient of Isc: +0.057%/°C
- Temperature Coefficient of Voc: -0.286%/°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 (LR6-60HPH-310M)
- Power-Voltage Curve (LR6-60HPH-310M)
- Current-Voltage Curve (LR6-60HPH-310M)

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