LR6-60HPH
300~325M

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

+4.10%
-0.55%

100%
98%
91.2%
87.7%
84.5%
80.7%

Additional Value from LONGi Solar’s Linear Warranty
+1.85%
Standard Module linear power Warranty
+2.60%
+3.35%

25-year Power Warranty Annual
Power Attenuation -0.55%

Complete System and Product Certifications
IEC 61215, IEC61730
ISO 14001:2004: ISO Environment Management System
OHSAS 18001: 2007 Occupational Health and Safety

Positive power tolerance [0 ~ +5W] guaranteed
High module conversion efficiency (up to 19.6 %)
Slower power degradation enabled by Low LID Mono PERC technology: first year <2%,
0.55% year 2-25
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

LONGi Solar
LONGi Green Energy Technology Co., Ltd
Room 201, Building B, Sandhill Plaza, Lane 2290, Zuchongzhi Road, Pudong District, Shanghai, 201203
Tel: +86-21-61047332 Fax: +86-21-61047377 E-mail: module@longi-silicon.com
Facebook: www.facebook.com/LONGi Solar

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.
LR6-60HPH 300~325M

**Design (mm)**
- Cell Orientation: 120 (6+20)
- Junction Box: PE7, three diodes
- Output Cable: 4mm², 300mm in length
- Glass: Single glass
  - 2.8mm coated tempered glass
- Frame: Anodized aluminum alloy frame
- Weight: 16.8kg
- Dimension: 1672x991x35mm
- Packaging: 30pcs per pallet
  - 180pcs per 20GP
  - 780pcs per 40HC

**Mechanical Parameters**

**Operational Parameters**
- Operational Temperature: -40°C ~ +85°C
- Power Output Tolerance: ±0.5%
- 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**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>LR6-60HPH-300M</th>
<th>LR6-60HPH-305M</th>
<th>LR6-60HPH-310M</th>
<th>LR6-60HPH-315M</th>
<th>LR6-60HPH-320M</th>
<th>LR6-60HPH-325M</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>
</tr>
<tr>
<td>Maximum Power (Pmax/W)</td>
<td>300</td>
<td>222.2</td>
<td>305</td>
<td>225.9</td>
<td>310</td>
<td>229.6</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc/V)</td>
<td>39.8</td>
<td>37.1</td>
<td>40.1</td>
<td>37.4</td>
<td>40.3</td>
<td>37.7</td>
</tr>
<tr>
<td>Short Circuit Current (Isc/A)</td>
<td>9.70</td>
<td>7.82</td>
<td>9.78</td>
<td>7.88</td>
<td>9.86</td>
<td>7.94</td>
</tr>
<tr>
<td>Voltage at Maximum Power (Vmp/V)</td>
<td>32.9</td>
<td>30.4</td>
<td>33.1</td>
<td>30.6</td>
<td>33.3</td>
<td>30.8</td>
</tr>
<tr>
<td>Current at Maximum Power (Imp/A)</td>
<td>9.13</td>
<td>7.32</td>
<td>9.21</td>
<td>7.38</td>
<td>9.30</td>
<td>7.46</td>
</tr>
<tr>
<td>Module Efficiency(%)</td>
<td>18.1</td>
<td>18.4</td>
<td>18.7</td>
<td>19.0</td>
<td>19.3</td>
<td>19.6</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 | Front Side Maximum Static Loading | 5400Pa |
| Temperature Coefficient of Voc | -0.286%/°C | Rear Side Maximum Static Loading | 2400Pa |
| Temperature Coefficient of Pmax | -0.370%/°C | Hailstone Test | 25mm Hailstone at the speed of 23m/s |

**Mechanical Loading**

<table>
<thead>
<tr>
<th>Current-Voltage Curve (LR6-60HPH-310M)</th>
<th>Power-Voltage Curve (LR6-60HPH-310M)</th>
<th>Current-Voltage Curve (LR6-60HPH-310M)</th>
</tr>
</thead>
</table>

LONGi Green Energy Technology Co., Ltd.
Room 201, Building B, Sandhill Plaza, Lane 2290, Zuchongzhi Road, Pudong District, Shanghai, 201203
Tel: +86-21-61047332 Fax: +86-21-61047377 E-mail: module@longi-silicon.com
Facebook: www.facebook.com/LONGiSolar

Note: Due to continuous technical innovation, R&D and improvements, 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.