LR6-60PB
295~315MA

Hi-MO1 High Efficiency Low LID Mono PERC Technology (60C/All Black AC Module)

Aesthetic appearance with black frame and backsheet, best suited for rooftop installation

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

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
Better energy yield with excellent low irradiance performance and temperature coefficient
Solid PID resistance ensured by solar cell process optimization and careful module BOM selection

LONGi AC Modules combines the efficiency of Low LID Mono PERC Technology solar panels with smart-grid ready Enphase IQ7 Microinverters which delivers high power output for residential and rooftop installations

Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LONGi 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.
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### Design (mm)

#### Mechanical Parameters
- Cell Orientation: 60° (6x10)
- Junction Box: IP67, three diodes
- Output Cable: 4mm², 1000mm in length
- Glass: 3.2mm coated tempered glass
- Weight: 18.2kg
- Dimension: 1650x911x40mm
- Packaging: 26pcs per pallet

#### Operating Parameters
- Operational Temperature: -40°C ~ +65°C
- Power Output Tolerance: 0~+5 W
- Maximum Series Fuse Rating: 20A
- Nominal Operating Cell Temperature: 45±2°C
- Application Class: Class A
- Fire Type: UL, Type 1

### DC Electrical Characteristics

<table>
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<th>Testing Condition</th>
<th>LR6-60PB-295MA</th>
<th>LR6-60PB-300MA</th>
<th>LR6-60PB-350MA</th>
<th>LR6-60PB-310MA</th>
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<tr>
<td>STC</td>
<td>295</td>
<td>218.5</td>
<td>300</td>
<td>222.2</td>
<td>305</td>
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<td>NOCT</td>
<td>225.9</td>
<td>310</td>
<td>229.6</td>
<td>315</td>
<td>233.4</td>
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<td>Voc</td>
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<td>Isc</td>
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<td>Pmax</td>
<td>32.6</td>
<td>30.1</td>
<td>32.8</td>
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<td>Module Efficiency</td>
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<td>18.3</td>
<td>18.7</td>
<td>19.0</td>
<td>19.3</td>
</tr>
</tbody>
</table>

### AC Electrical Properties

- Peak Output Power: 270 W
- Max. Continuous Output Power: 240 W
- Nominal Voltage / Range (V): 240/211-264 V / 208/183-229 V
- Nominal Current (A): 1.09 A / 1.16 A
- Nominal Frequency / Range (Hz): 50/47-63 Hz
- Power Factor / Adjustable: 0.9 / 0.75
- CEC Weighted Efficiency (W%): 97.6% / 96.5%
- Max. Branch Circuit Over Current Protection: 20 A
- Number of Max. AC Modules (EA): 16 / 13

### Features
- Communication: Power Line Communication (PLC)

### Compliance
- CEC: UL 4703, UL 746,ICES-003, IEC 61701, CEI 127-1, IEC 62108
- AS/NZS: CEI 127-1, IEC 62108
- NEMKO: IEC 62108
- UL: 4703, CEI 127-1, IEC 62108
- CSA: CEI 127-1, IEC 62108

### 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
- Hallstone Test: 25mm Hallstone at the speed of 2.3m/s

### I-V Curve

- Current-Voltage Curve (LR6-60PB-300MA)
- Power-Voltage Curve (LR6-60PB-300MA)
- Current-Voltage Curve (LR6-60PB-300MA)

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