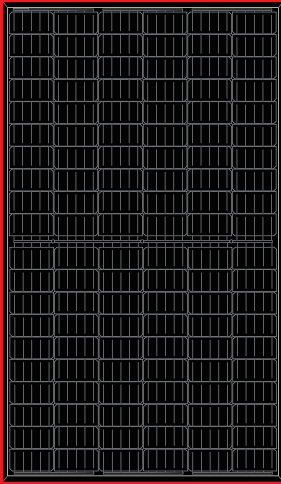
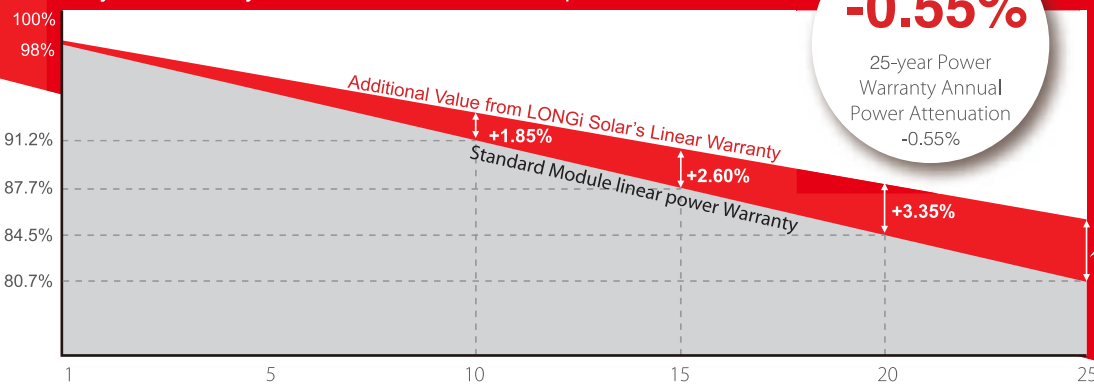


LR6-60HPB 295~315M



**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 9001:2008: ISO Quality Management System
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 19.0%)

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

Adaptable to harsh environment: passed rigorous salt mist and ammonia tests

Outstanding low light performance average relative efficiency 97.5% or better at 200W/m²

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

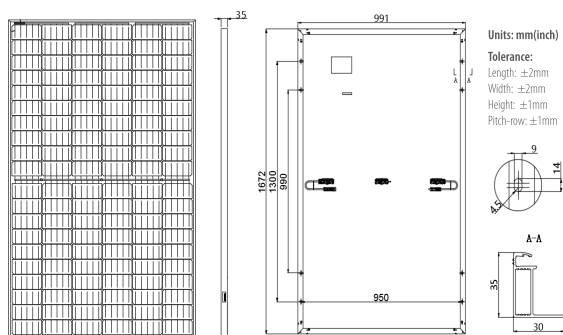
LONGi Solar

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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.

LR6-60HPB 295~315M

Design (mm)



Mechanical Parameters

Units: mm(inch)
 Tolerance:
 Length: ± 2 mm
 Width: ± 2 mm
 Height: ± 1 mm
 Pitch-row: ± 1 mm

Cell Orientation: 120 (6x20)
 Junction Box: IP67, three diodes
 Output Cable: 4mm², 300mm in length
 Glass: 3.2mm coated tempered glass
 Weight: 18.5kg
 Dimension: 1672x991x35mm
 Packaging: 30pcs per pallet
 156pcs per 20'GP
 780pcs per 40'HC

Operating Parameters

Operational Temperature: -40 C ~ +85 C
 Power Output Tolerance: 0 ~ +5 W
 Maximum System Voltage: DC1500V (IEC)
 Maximum Series Fuse Rating: 20A
 Nominal Operating Cell Temperature: 45 \pm 2 C
 Application Class: Class A

Electrical Characteristics

Test uncertainty for Pmax: $\pm 3\%$

| Model Number | LR6-60HPB-295M | | LR6-60HPB-300M | | LR6-60HPB-305M | | LR6-60HPB-310M | | LR6-60HPB-315M | |
|----------------------------------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Testing Condition | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax/W) | 295 | 218.5 | 300 | 222.2 | 305 | 225.9 | 310 | 229.6 | 315 | 233.4 |
| Open Circuit Voltage (Voc/V) | 39.6 | 36.9 | 39.8 | 37.1 | 40.1 | 37.4 | 40.3 | 37.7 | 40.6 | 37.9 |
| Short Circuit Current (Isc/A) | 9.59 | 7.73 | 9.70 | 7.82 | 9.78 | 7.88 | 9.86 | 7.94 | 9.94 | 8.01 |
| Voltage at Maximum Power (Vmp/V) | 32.7 | 30.2 | 32.9 | 30.4 | 33.1 | 30.6 | 33.3 | 30.8 | 33.7 | 31.1 |
| Current at Maximum Power (Imp/A) | 9.03 | 7.24 | 9.13 | 7.32 | 9.21 | 7.38 | 9.30 | 7.46 | 9.36 | 7.50 |
| Module Efficiency(%) | 17.8 | | 18.1 | | 18.4 | | 18.7 | | 19.0 | |

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)

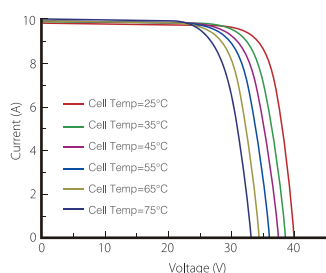
| | |
|---------------------------------|-----------|
| Temperature Coefficient of Isc | +0.057%/C |
| Temperature Coefficient of Voc | -0.286%/C |
| Temperature Coefficient of Pmax | -0.370%/C |

Mechanical Loading

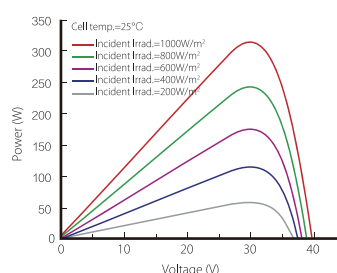
| | |
|-----------------------------------|--------------------------------------|
| Front Side Maximum Static Loading | 5400Pa |
| Rear Side Maximum Static Loading | 2400Pa |
| Hailstone Test | 25mm Hailstone at the speed of 23m/s |

I-V Curve

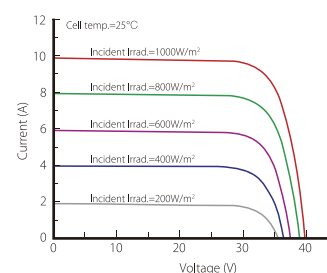
Current-Voltage Curve (LR6-60HPB-310M)



Power-Voltage Curve (LR6-60HPB-310M)



Current-Voltage Curve (LR6-60HPB-310M)



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