

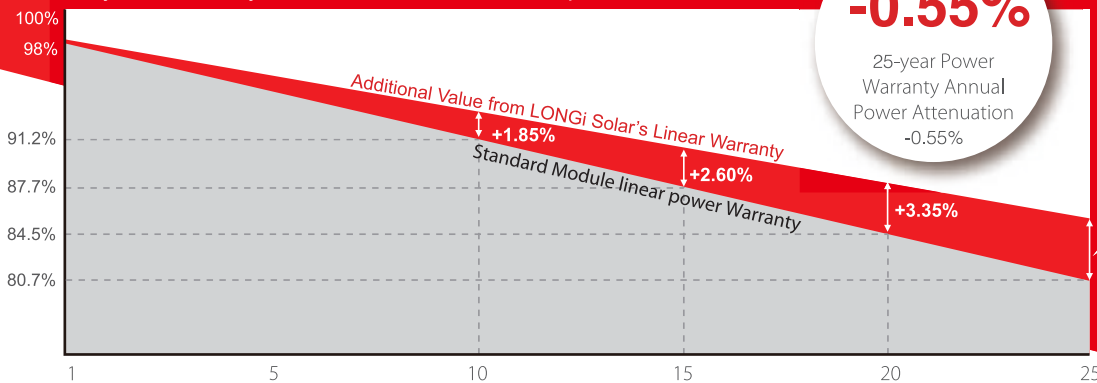
LR6-60PB 295~315M



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

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 19.3%)

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

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

Robust frame (35mm) withstands mechanical loading of 5400Pa for snow load on front and 2400Pa for wind load on rear side

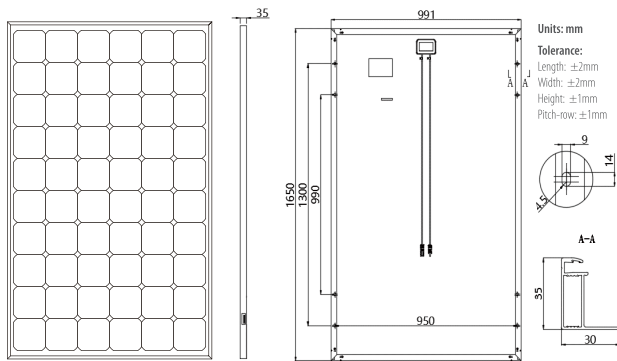
LONGi Solar

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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.

LR6-60PB 295~315M

Design (mm)



Mechanical Parameters

Cell Orientation: 60 (6×10)
Junction Box: IP67, three diodes
Output Cable: 4mm², 1000mm in length
Glass: 2.8mm coated tempered glass
Weight: 16.5kg
Dimension: 1650×991×35mm
Packaging: 30pcs per pallet
180pcs per 20'GP
840pcs per 40'HC

Operating Parameters

Operational Temperature: -40 °C ~ +85 °C
Power Output Tolerance: 0 ~ +5 W
Voc and Isc Tolerance: $\pm 3\%$
Maximum System Voltage: DC1000V (IEC)
Maximum Series Fuse Rating: 20A
Nominal Operating Cell Temperature: 45 ± 2 °C
Safety Class: Class II

Electrical Characteristics

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

Model Number	LR6-60PB-295M		LR6-60PB-300M		LR6-60PB-305M		LR6-60PB-310M		LR6-60PB-315M	
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)	39.7	37.1	39.9	37.2	40.2	37.5	40.5	37.8	40.8	38.1
Short Circuit Current (Isc/A)	9.92	8.00	9.96	8.03	9.99	8.05	10.02	8.08	10.05	8.10
Voltage at Maximum Power (Vmp/V)	32.0	29.6	32.3	29.8	32.7	30.2	33.1	30.6	33.5	30.9
Current at Maximum Power (Imp/A)	9.21	7.39	9.28	7.44	9.33	7.48	9.36	7.51	9.41	7.55
Module Efficiency(%)	18.0		18.3		18.7		19.0		19.3	

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)

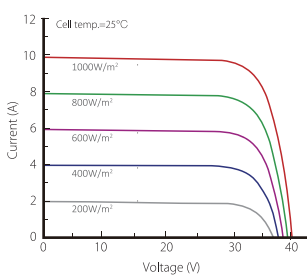
Temperature Coefficient of Isc: +0.057%/°C
Temperature Coefficient of Voc: -0.286%/°C
Temperature Coefficient of Pmax: -0.370%/°C

Mechanical Loading

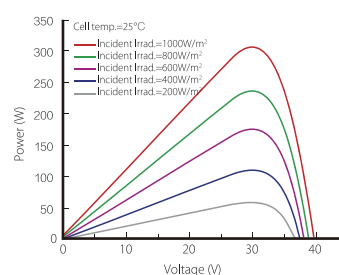
Front Side Maximum Static Loading: 5400Pa
Rear Side Maximum Static Loading: 2400Pa
Hailstone Test: 25mm Hailstone at the speed of 23m/s

I-V Curve

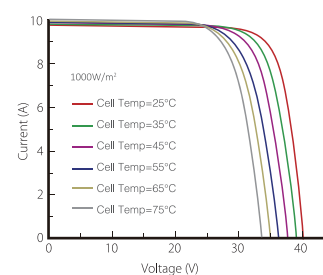
Current-Voltage Curve (LR6-60PB-305M)



Power-Voltage Curve (LR6-60PB-305M)



Current-Voltage Curve (LR6-60PB-305M)



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