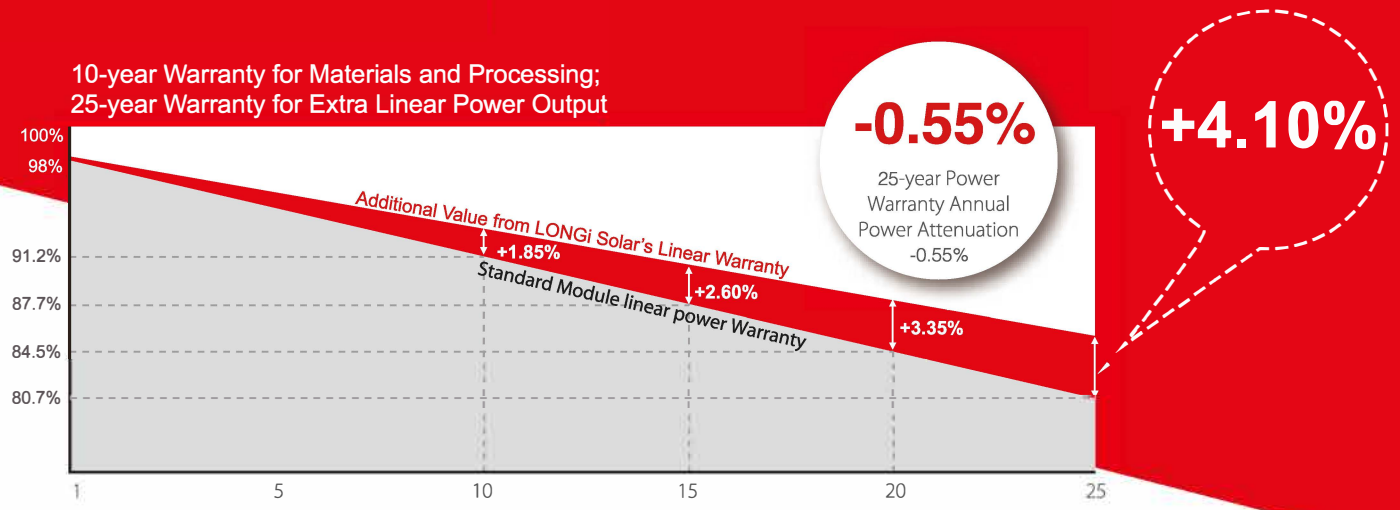
LR6-60PB
295~315M

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



Complete System and Product Certifications

IEC 61215, IEC61730, UL1703

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

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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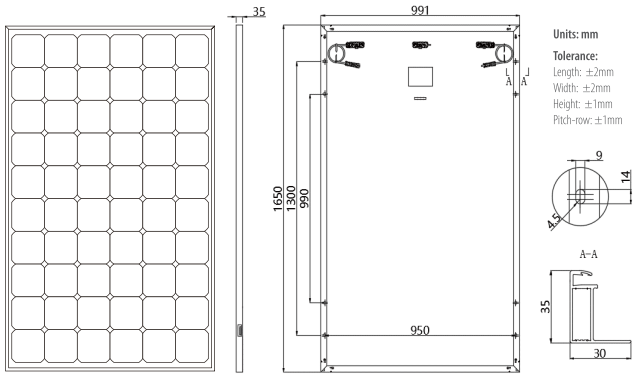
LR6-60PB 295~315M

Design（mm）



Mechanical Parameters

Cell Orientation: 60（6×10）

Junction Box: IP67, three diodes

Output Cable: 4mm², 1000mm in length

Glass: Single glass

3.2mm coated tempered glass

Frame: Anodized aluminum alloy frame

Weight: 17.7kg

Dimension: 1650×991×35mm

Packaging: 30pcs per pallet

180pcs per 20'GP

840pcs per 40'HC

Operating Parameters

Operational Temperature: -40℃~+85℃

Power Output Tolerance: 0~+5 W

Voc and Isc Tolerance: ±3%

Maximum System Voltage: DC1000V (IEC/UL)

Maximum Series Fuse Rating: 20A

Nominal Operating Cell Temperature: 45±2℃

Safety Class: Class II

Electrical Characteristics

Test uncertainty for Pmax: ±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℃, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20℃, Spectra at AM1.5, Wind at 1m/S

Temperature Ratings（STC）

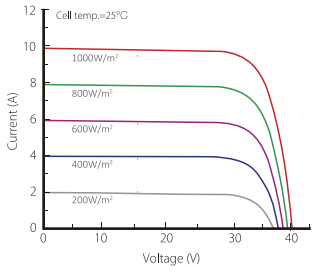
Temperature Coefficient of Isc	+0.057%/℃
Temperature Coefficient of Voc	-0.286%/℃
Temperature Coefficient of Pmax	-0.370%/℃

Mechanical Loading

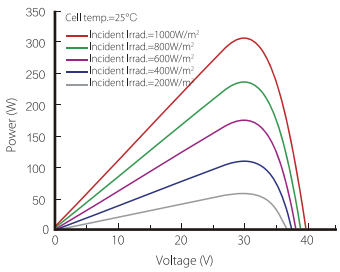
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

I-V Curve

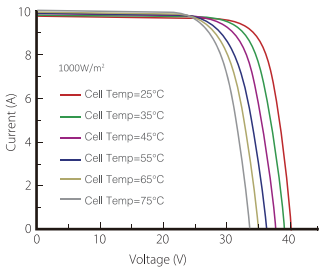
Current-Voltage Curve (LR6-60PB-305M)



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



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



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