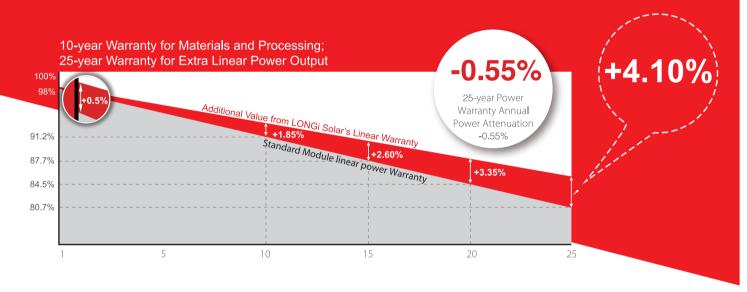


LR6-60PB **285~305M**

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 18.7%)

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 (40mm) withstands mechanical loading of 5400Pa for snow load on front and 2400Pa for wind load on rear side



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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.

_R6-60PB **285~305M**

Design (mm) **Mechanical Parameters Operating Parameters** H^{50(1.97)} H^{40(1.6)} 991(39) Cell Orientation: 60 (6×10) Operational Temperature: -40 °C ~ +85 °C Junction Box: IP67, three diodes Power Output Tolerance: 0 ~ +5 W Output Cable: 4mm², 1000mm in length Maximum System Voltage: DC1000V (IEC) Connector: MC4 or MC4 compatible Maximum Series Fuse Rating: 15A Nominal Operating Cell Temperature: 45±2 °C Weight: 18.2kg Units: mm(inch) Dimension: 1650×991×40mm Application Class: Class A

953(37.5)

Packaging: 26pcs per pallet

Model Number	LR6-601	LR6-60PB-285M		LR6-60PB-290M		LR6-60PB-295M		LR6-60PB-300M		LR6-60PB-305M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
Maximum Power (Pmax/W)	285	209.5	290	213.2	295	216.8	300	220.5	305	224.2	
Open Circuit Voltage (Voc/V)	39.5	36.5	39.7	36.7	39.9	36.9	40.1	37.1	40.2	37.2	
Short Circuit Current (Isc/A)	9.46	7.62	9.58	7.72	9.69	7.81	9.81	7.91	9.94	8.01	
Voltage at Maximum Power (Vmp/V)	32.1	29.5	32.3	29.7	32.6	29.9	32.8	30.1	33.0	30.3	
Current at Maximum Power (Imp/A)	8.88	7.10	8.98	7.18	9.05	7.24	9.15	7.32	9.24	7.39	
Module Efficiency(%)	17	17.4		17.7		18.0		18.3		18.7	

Temperature Ratings (STC) Mechanical Loading Front Side Maximum Static Loading 5400Pa Temperature Coefficient of Isc +0.057%/°C 2400Pa Temperature Coefficient of Voc -0.286%/°C **Rear Side Maximum Static Loading** 25mm Hailstone at the speed of 23m/s **Hailstone Test**

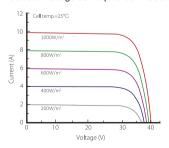
NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/S

-0.380%/°C

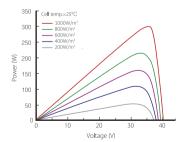
I-V Curve

Current-Voltage Curve (LR6-60PB-300M)

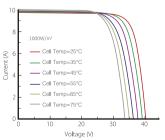
Temperature Coefficient of Pmax



Power-Voltage Curve (LR6-60PB-300M)



Current-Voltage Curve (LR6-60PB-300M)





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