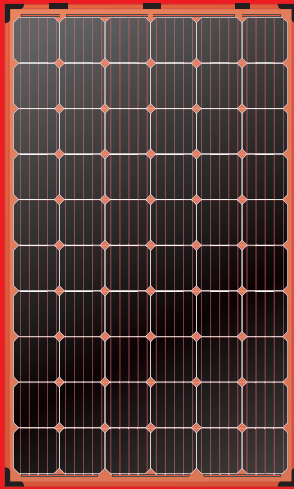
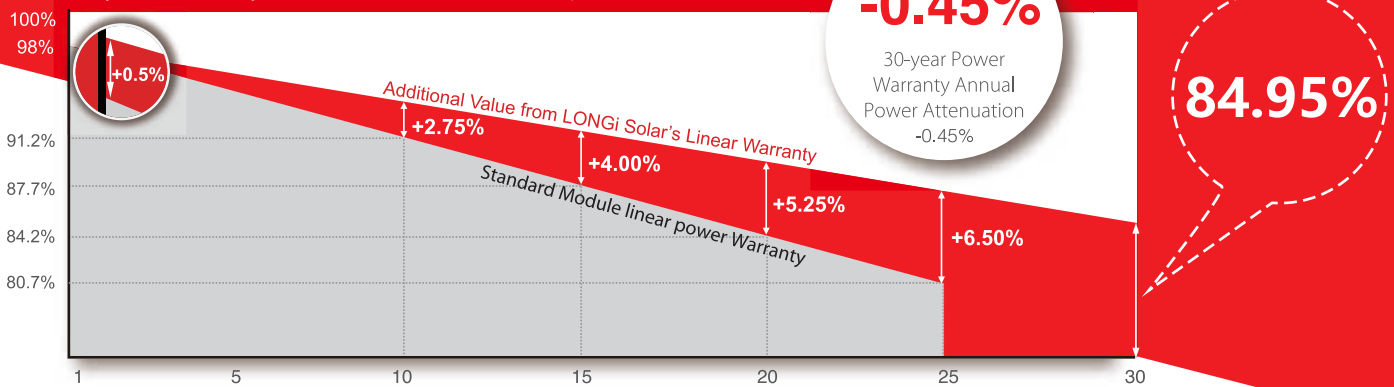


LR6-60PD 295~315M



**Hi-MO1 High Efficiency
Low LID Mono PERC Technology**

10-year Warranty for Materials and Processing;
30-year Warranty for Extra Linear Power Output



-0.45%

30-year Power
Warranty Annual
Power Attenuation
-0.45%

84.95%

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 19.2%)

Slower power degradation enabled by Low LID Mono PERC technology: first year <2%, 0.45% year 2-30

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

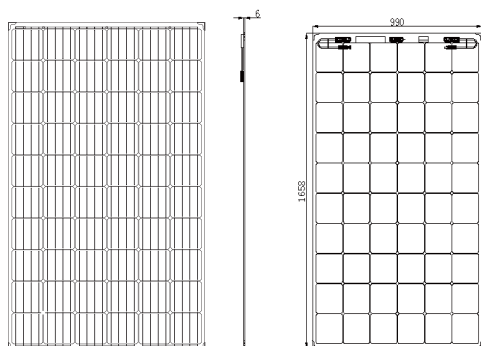
LONGi Solar

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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.

LR6-60PD 295~315M

Design (mm)



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

Mechanical Parameters

Cell Orientation: 60 (6×10)
Junction Box: IP67, three diodes
Output Cable: 4mm², 300mm in length,
length can be customized
Weight: 23.5kg
Dimension: 1658×990×6mm
Packaging: 33pcs per pallet

Operating Parameters

Operational Temperature: -40 C ~ +85 C
Power Output Tolerance: 0 ~ +5 W
Voc and Isc Tolerance: ±3%
Maximum System Voltage: DC1500V (IEC)
Maximum Series Fuse Rating: 20A
Nominal Operating Cell Temperature: 45±2 C
Application Class: Class II

Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	LR6-60PD-295M		LR6-60PD-300M		LR6-60PD-305M		LR6-60PD-310M		LR6-60PD-315M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	295	219.1	300	222.8	305	226.5	310	230.2	315	234.0
Open Circuit Voltage (Voc/V)	40.2	37.6	40.4	37.7	40.6	38.0	40.8	38.1	41.0	38.3
Short Circuit Current (Isc/A)	9.33	7.54	9.44	7.63	9.54	7.71	9.65	7.80	9.74	7.87
Voltage at Maximum Power (Vmp/V)	33.1	30.7	33.3	30.8	33.5	31.0	33.7	31.2	33.9	31.4
Current at Maximum Power (Imp/A)	8.90	7.14	9.01	7.23	9.10	7.30	9.21	7.39	9.29	7.45
Module Efficiency(%)	18.0		18.3		18.6		18.9		19.2	

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)

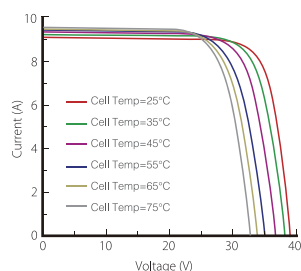
Temperature Coefficient of Isc	+0.057%/C
Temperature Coefficient of Voc	-0.286%/C
Temperature Coefficient of Pmax	-0.370%/C

Mechanical Loading

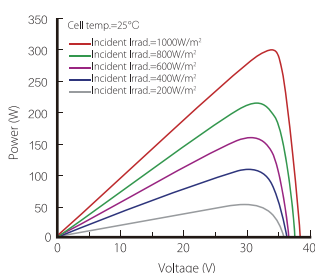
Front Side Maximum Static Loading	2400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

I-V Curve

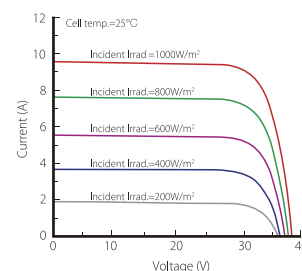
Current-Voltage Curve (LR6-60PD-305M)



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



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



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