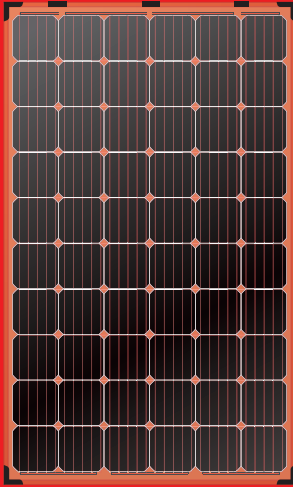
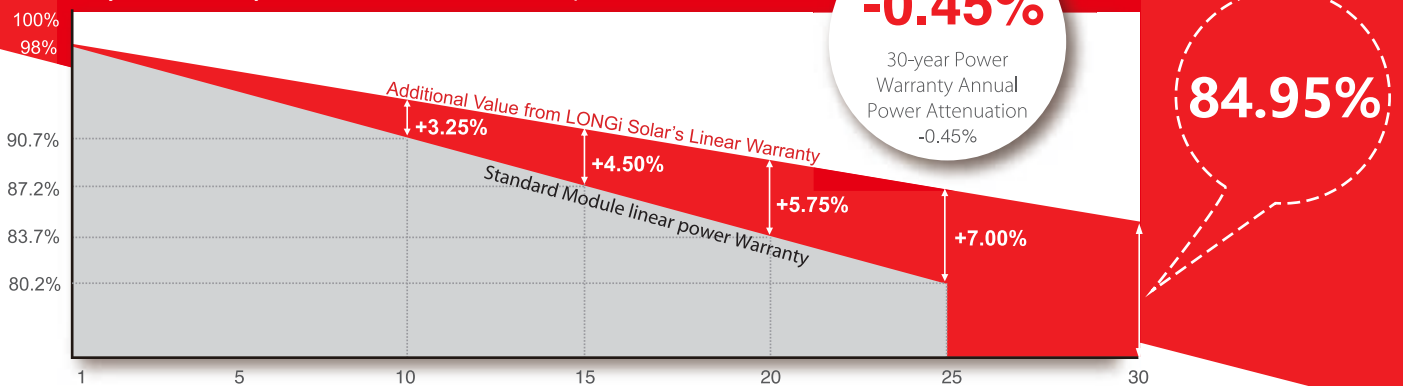


LR6-60DG 280~300M



High Efficiency Mono Technology
with advanced 5BB design to improve
power output

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



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 18.3%)

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

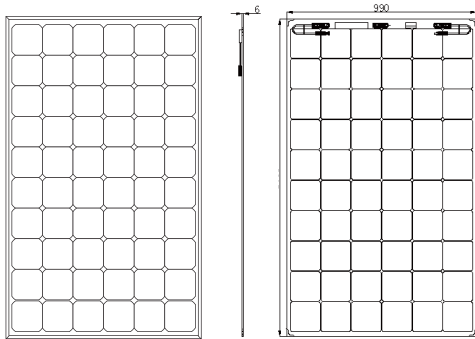
LONGi Solar

Room 201, Building 8, Sandhill Plaza, Lane 2290, Zuchongzhi Road, Pudong District, Shanghai, 201203
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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.

LR6-60DG 280~300M

Design (mm)



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

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: $\pm 3\%$
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: $\pm 3\%$

Model Number	LR6-60DG-280M		LR6-60DG-285M		LR6-60DG-290M		LR6-60DG-295M		LR6-60DG-300M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	280	202.4	285	206.1	290	209.7	295	213.3	300	216.9
Open Circuit Voltage (Voc/V)	38.9	35.8	39.2	36.0	39.4	36.2	39.6	36.5	39.9	36.7
Short Circuit Current (Isc/A)	9.08	7.32	9.18	7.40	9.29	7.49	9.39	7.57	9.50	7.66
Voltage at Maximum Power (Vmp/V)	32.5	29.3	32.7	29.5	32.9	29.7	33.2	30.0	33.4	30.2
Current at Maximum Power (Imp/A)	8.62	6.89	8.71	6.97	8.80	7.04	8.89	7.11	8.98	7.18
Module Efficiency(%)	17.1		17.4		17.7		18.0		18.3	

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)

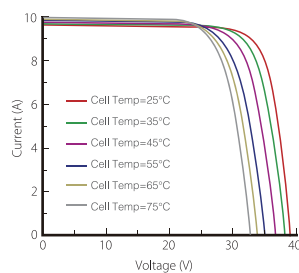
Temperature Coefficient of Isc: +0.059%/°C
Temperature Coefficient of Voc: -0.330%/°C
Temperature Coefficient of Pmax: -0.410%/°C

Mechanical Loading

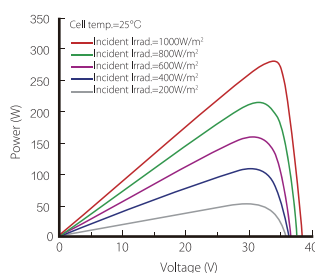
Front Side Maximum Static Loading: 2400Pa
Rear Side Maximum Static Loading: 2400Pa
Hailstone Test: 25mm Hailstone at the speed of 23m/s

I-V Curve

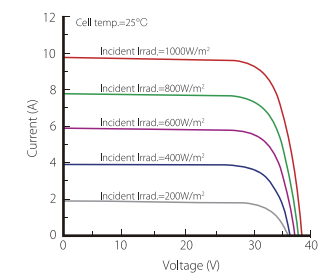
Current-Voltage Curve (LR6-60DG-290M)



Power-Voltage Curve (LR6-60DG-290M)



Current-Voltage Curve (LR6-60DG-290M)



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