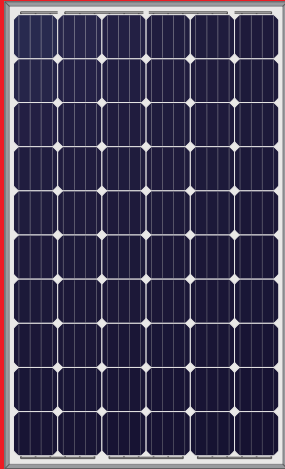


LR6-60HV 275~295W



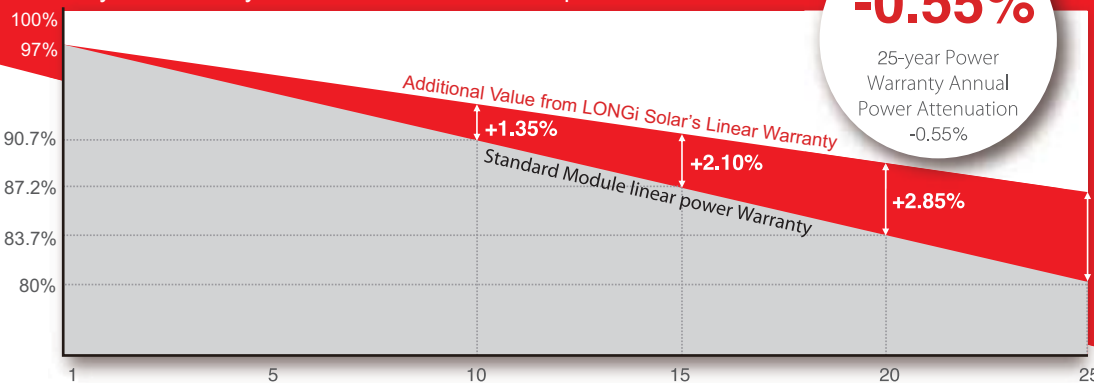
Less components and lower cost

Excellent performance under the IEC and UL standard for 1500V system voltage brings lower system side cost.

Excellent PID-resistant performance

Passed more strict PID test with 85%RH, 85°C temperature, 1500 voltage.

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%

+3.80%

Complete System and Product Certifications

IEC 61215, IEC 61730, UL 1703, CQC, CE

ISO 9001: 2008: ISO Quality Management System

ISO 14001: 2004: ISO Environment Management System

OHSAS 18001: 2007 Occupational Health and Safety



Positive Power Tolerance

0~+5W positive tolerance of maximal power guaranteed.

High Conversion Efficiency

The highest efficiency up to 18.0%.

Excellent Performance in Low irradiance

Outstanding power output in low irradiance conditions, such as dawn, dust and no-sun days

Anti-PID

Anti-PID techniques of processing solar cells and encapsulating modules applied; adaptable for the installation in hot and highly humid areas.

Adaptability to the Harsh Environments

Excellent anti salt mist and anti-ammonia capability and is adaptable to the harsh environments, such as seaside and farms.

Super Robust Frame, 40mm Thickness

Good pressure resistance and able to bear 2400Pa wind load and 5400Pa snow load.

*Specifications subject to technical changes and tests. LONGi Solar reserves the right of final interpretation.

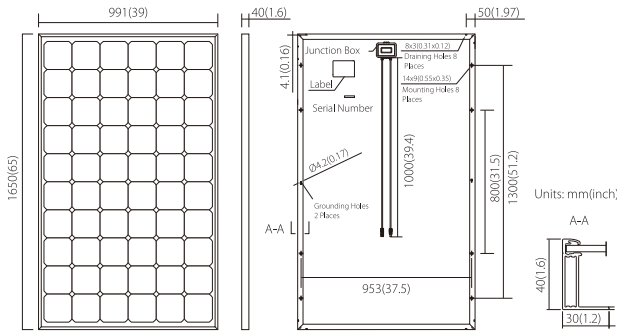
LONGi Solar

Room 201, Building 8, Sandhill Plaza, Lane 2290, Zuchongzhi Road, Pudong New 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.

LR6-60HV 275~295W

Mechanical Detail (mm)



Mechanical Parameters

Number of Cells: 60 (6×10)
 Junction Box: IP68, three diodes
 Output Cable: 4mm², 1000mm in length
 Connector: MC4 or compatible with MC4
 Weight: 18.2kg
 Dimension: 1650×991×40mm
 Packaging: 26pcs per pallet

Operating Parameters

Operating Temperature: -40°C~+85°C
 Power Tolerance: 0~+5W
 Maximum System Voltage(V): DC1500V (IEC)
 Maximum Series Fuse Rating: 15A
 NOCT: 45°C±2°C
 Application Class: Class A

Electrical Characteristics

Type	LR6-60HV-275M		LR6-60HV-280M		LR6-60HV-285M		LR6-60HV-290M		LR6-60HV-295M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	275	202.1	280	205.8	285	209.5	290	213.2	295	216.8
Open Circuit Voltage (Voc/V)	38.3	35.4	38.5	35.6	38.6	35.7	38.8	35.9	38.9	36.0
Short Circuit Current (Isc/A)	9.32	7.51	9.45	7.61	9.59	7.73	9.71	7.82	9.85	7.94
Voltage at Maximum Power (Vmp/V)	31.3	28.7	31.4	28.8	31.5	28.9	31.7	29.1	31.8	29.2
Current at Maximum Power (Imp/A)	8.79	7.03	8.9	7.14	9.05	7.24	9.15	7.32	9.28	7.42
Module Efficiency (%)	16.8	/	17.1	/	17.4	/	17.7	/	18.0	/

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

Temp. Coefficient (STC Testing)

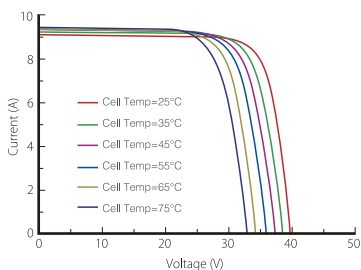
Temperature Coefficient of Isc: +0.059% / °C
 Temperature Coefficient of Voc: -0.330% / °C
 Temperature Coefficient of Pmax: -0.410% / °C

Load

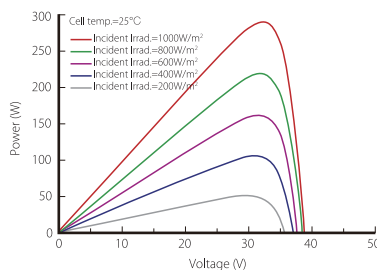
Maximum Front Static Load (Snow): 5400Pa
 Maximum Rear Static Load (Wind): 2400Pa
 Pass the Hailstone Test: 25mm Hailstone at the speed of 23m/s

I-V Curve

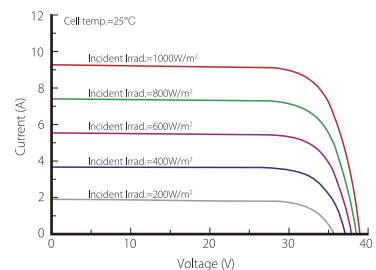
Current-Voltage Curve (LR6-60HV-285M)



Power-Voltage Curve (LR6-60HV-285M)



Current-Voltage Curve (LR6-60HV-285M)



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