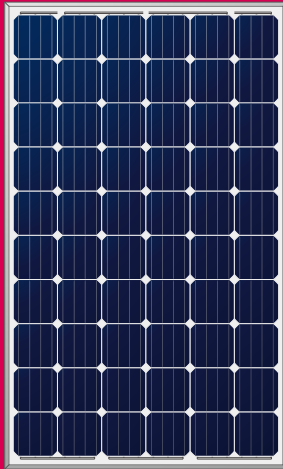


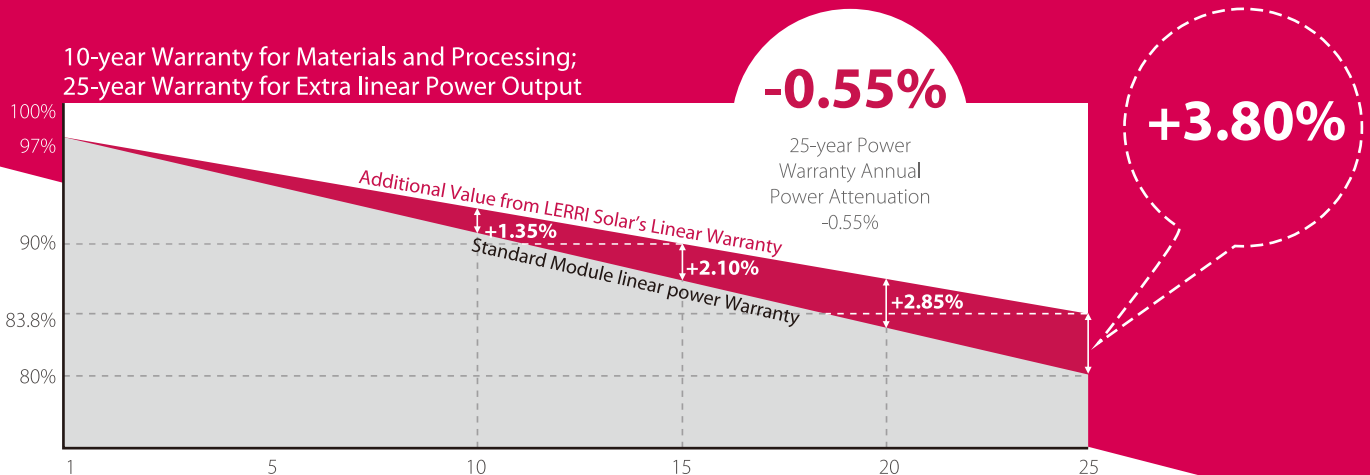
LR6 -60 270~290W



High Reliability, Production Efficiency and High Power Output

LERRI mono solar cell modules have higher reliability. The highest power output can be 290W. They have excellent performance even under the low -temperature or low-light environment. We promise to provide high-efficiency, higher power output and guarantee the return on investment.

10-year Warranty for Materials and Processing;
25-year Warranty for Extra linear Power Output



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 17.74%.

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.

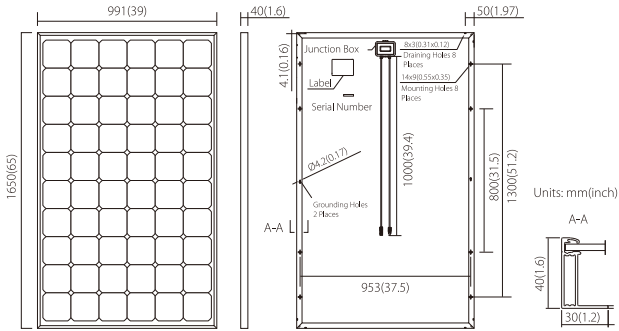
*Specifications subject to technical changes and tests. Lerrri Solar reserves the right of final interpretation.

LERRI Solar

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Tel: (+86) 400 969 6199, 86-29-8156 6686-8135 FAX: 86-29-8156 6685 E-mail: module@longi-silicon.com

LR6 -60 270~290W

Mechanical Detail (mm)



Mechanical Parameters

Number of Cells: 60 (6×10)
 Junction Box: IP67, 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): DC1000V (IEC)
 Maximum Series Fuse Rating: 15A
 NOCT: 45°C±2°C
 Application Class: Class A

Electrical Characteristics

Type	LR6-60-270M		LR6-60-275M		LR6-60-280M		LR6-60-285M		LR6-60-290M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition										
Maximum Power (Pmax/W)	270	198.9	275	201.2	280	205.1	285	207.9	290	209.1
Open Circuit Voltage (Voc/V)	38.51	35.5	38.86	35.8	39.22	36.2	39.26	36.3	39.31	36.4
Short Circuit Current (Isc/A)	9.138	7.39	9.222	7.46	9.305	7.52	9.333	7.55	9.384	7.59
Voltage at Maximum Power (Vmp/V)	31.45	29.3	31.76	29.4	31.96	29.6	32.36	29.8	32.76	29.9
Current at Maximum Power (Imp/A)	8.611	6.82	8.676	6.87	8.769	6.94	8.805	6.97	8.853	7.01
Module Efficiency (%)	16.51	/	16.82	/	17.12	/	17.43	/	17.74	/

STC(Standard Testing Conditions): Irradiance 1000W/m² Cell Temperature 20°C, Spectra at AM1.5

NOCT(Nominal Operating Cell Temperature): Irradiance 800W/m² Cell Temperature 25°C, Spectra at AM1.5, Wind at 1m/s

Temp. Coefficient (STC Testing)

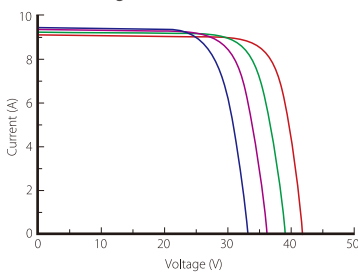
Temperature Coefficient of Isc: +0.059%/°C
 Temperature Coefficient of Voc: -0.330%/°C
 Temperature Coefficient of Pmax: -0.410%/°C

Load

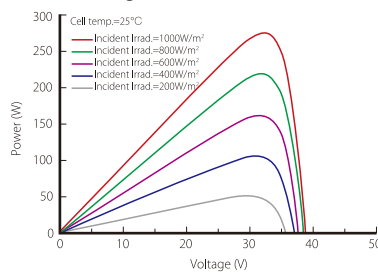
Maximum Front Static Load (Snow): 5400Pa
 Maximum Rear Static Load (Wind): 2400Pa
 Pass the Hailstone Test: 25mm Hailstone at the speed of 23m/s

I-V Curve

Current-Voltage Curve (LR6 -60 / 275W)



Power-Voltage Curve (LR6 -60 / 275W)



Current-Voltage Curve (LR6 -60 / 275W)

