

Hi-MO X10

LR7-60HVD Transparent Design

525~550M

THE **smarter**
AWARD 

- Flexible installation methods, including mounting on the short side of the frame, with high mechanical strength
- High efficiency with superior energy yield
- Innovative technologies (TaiRay N-type Wafer & HPBC 2.0) ensuring high product reliability
- Class A fire rating achieved (according to test report)
- Increased light transmittance, ideal for canopies and parking structures



30-year Warranty for
Extra Linear Power Output



15-year Warranty for
Materials and Processing

Complete System and

Product Certifications

IEC61215, IEC 61730

ISO9001: Quality Management System

ISO14001: Environment Management System

ISO45001: Occupational Health and Safety Management System

IEC62941: Quality System for PV Module Manufacturing

LONGI SOLAR



Define Roof Define Life

24.6 %
MAX MODULE
EFFICIENCY

0~3%
POWER
TOLERANCE

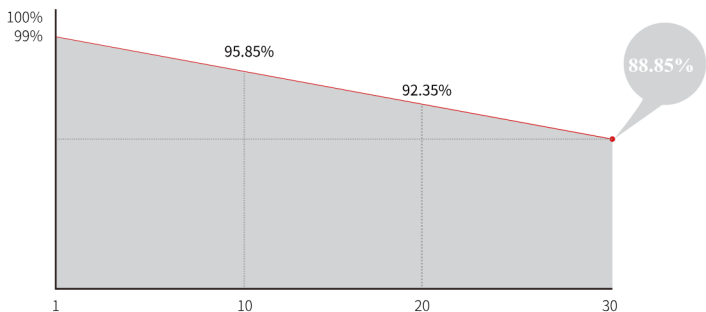
1 %
FIRST YEAR
POWER DEGRADATION

0.35 %
YEAR 2-30
POWER DEGRADATION

BC-CELL
LOWER OPERATING
TEMPERATURE

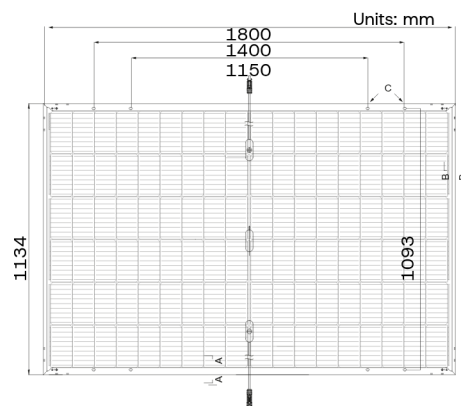
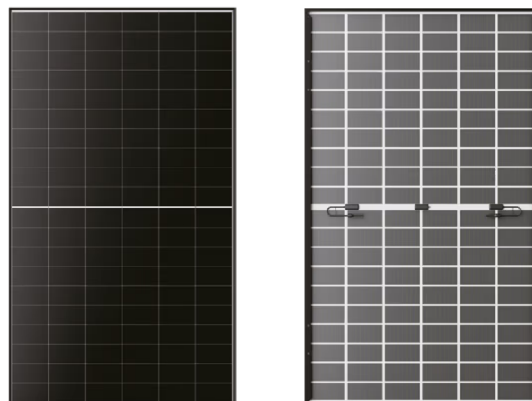
Additional Value

30-Year Power Warranty

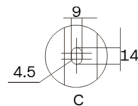


Mechanical Parameters

Cell Orientation	120 (6×20)
Junction Box	IP68, three diodes
Output Cable	4mm2, +400, -200mm/±12 00mm length can be customized
Glass	Dual glass, 2.0+2.0mm semi-tempered glass
Frame	Black anodized aluminum alloy frame
Weight	28.5
Dimension	1990×1134×30mm
Packaging	36pcs per pallet / 180pcs per 20' GP / 792pcs per 40' HC



Tolerance:
Length: $\pm 2\text{mm}$
Width: $\pm 2\text{mm}$



Electrical Characteristics

STC : AM1.5 1000W/m² 25°C

NOCT : AM1.5 800W/m² 20°C 1m/s

Test uncertainty for Pmax $\pm 3\%$

Module Type	LR7-60HVD-525M		LR7-60HVD-530M		LR7-60HVD-535M		LR7-60HVD-540M		LR7-60HVD-545M		LR7-60HVD-550M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	525	399	530	403	535	407	540	411	545	415	550	419
Open Circuit Voltage (Voc/V)	44.85	42.62	44.95	42.72	45.05	42.82	45.15	42.91	45.25	43.01	45.35	43.10
Short Circuit Current (Isc/A)	14.80	11.91	14.90	11.97	15.00	12.05	15.10	12.13	15.20	12.21	15.30	12.29
Voltage at Maximum Power (Vmp/V)	37.07	35.22	37.17	35.32	37.27	35.41	37.37	35.51	37.47	35.60	37.57	35.70
Current at Maximum Power (Imp/A)	14.16	11.34	14.26	11.42	14.36	11.50	14.45	11.58	14.55	11.65	14.64	11.73
Module Efficiency(%)	23.26		23.49		23.71		23.93		24.15		24.37	

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ 3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	IEC Class C

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.260%/°C
Temperature Coefficient of Pmax	-0.200%/°C