

Hi-MO X10

Transparent-Design

LONGI
SOLAR

LR7-60HVDT

520~545M



Advanced

High efficiency for better power generation



Value-Added

Better bifacial performance gain amplified returns



Safe

Anti-shading & TaiRay wafers ensure ultimate safety.



Aesthetic

Gridless aesthetic adapts to diverse settings.

HPBC
2.0



N-type

15Y Product Warranty | 30Y Performance Warranty

Bifacial Power
Generation

Complete System and Product Certifications

IEC61215, IEC 61730

ISO9001: Quality Management System

ISO14001: Environment Management System

ISO45001: Occupational Health and Safety

IEC62941: Quality System for PV Module Manufacturing



CE



24.15 %
 MAX MODULE
 EFFICIENCY

0~3%
 POWER
 TOLERANCE

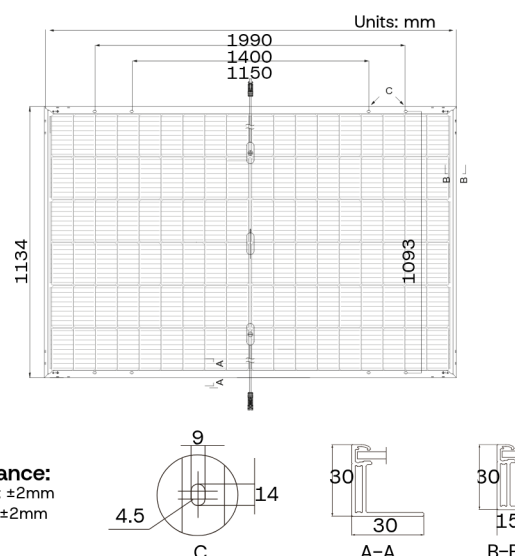
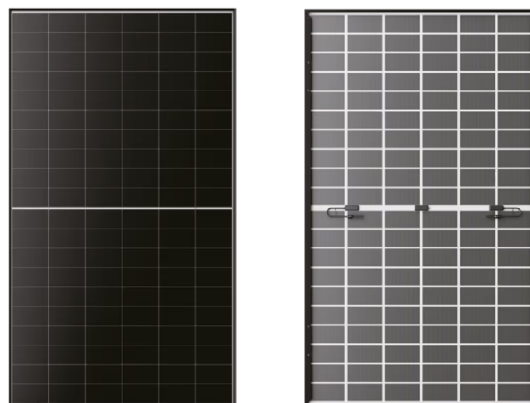
1 %
 FIRST YEAR
 POWER DEGRADATION

0.35 %
 YEAR 2-30
 POWER DEGRADATION

BC-CELL
 LOWER OPERATING
 TEMPERATURE

Mechanical Parameters

Cell Orientation	120 (6×20)
Junction Box	IP68, three diodes
Output Cable	4mm ² , +400, -200mm/±1400mm length can be customized
Glass	Dual glass, 2.0+2.0mm semi-tempered glass
Frame	Black anodized aluminum alloy frame
Weight	28 kg
Dimension	1990×1134×30mm
Packaging	36pcs per pallet / 180pcs per 20' GP / 792pcs per 40' HC



Electrical

Characteristics

 STC : AM1.5 1000W/m² 25°C NOCT : AM1.5 800W/m² 20°C 1m/s Test uncertainty for P_{max} ±3%

Module Type	LR7-60HVD-525M		LR7-60HVD-530M		LR7-60HVD-535M		LR7-60HVD-540M		LR7-60HVD-545M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P _{max} /W)	525	399	530	403	535	407	540	411	545	415
Open Circuit Voltage (V _{oc} /V)	44.85	42.62	44.95	42.72	45.05	42.82	45.15	42.91	45.25	43.01
Short Circuit Current (I _{sc} /A)	14.80	11.91	14.90	11.97	15.00	12.05	15.10	12.13	15.20	12.21
Voltage at Maximum Power (V _{mp} /V)	37.07	35.22	37.17	35.32	37.27	35.41	37.37	35.51	37.47	35.60
Current at Maximum Power (I _{mp} /A)	14.16	11.34	14.26	11.42	14.36	11.50	14.45	11.58	14.55	11.65
Module Efficiency(%)	23.26		23.49		23.71		23.93		24.15	

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 I _{sc}	+0.050%/°C
Temperature Coefficient of V _{oc}	-0.200%/°C
Temperature Coefficient of P _{max}	-0.260%/°C