Hi-MO X10

Transparent-Design

LONGi SOLAR

LR7-60HVDT

520~545M

Advanced Technology
Superior efficiency for higher energy output.

Value-Added
Better bifacial performance gain amplified returns

Safe
Anti-shading & TaiRay wafers ensure ultimate safety.

Aesthetic
Gridless design that blends seamlessly into any environment.

HPBC 2.0 | TaiRay | N-type

Bifacial Power Generation

15Y Product Warranty | **30Y** Performance Warranty

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 Manufacturing

TÜVRheinland CERTIFIED | TÜV SÜD | CE | TIER 1 Bloomberg NEW ENERGY FINANCE



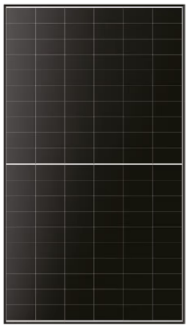
Hi-MO X10 Transparent Design

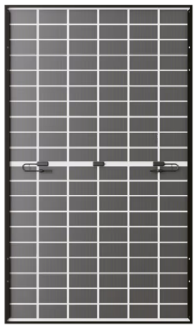
LR7-60HVDT

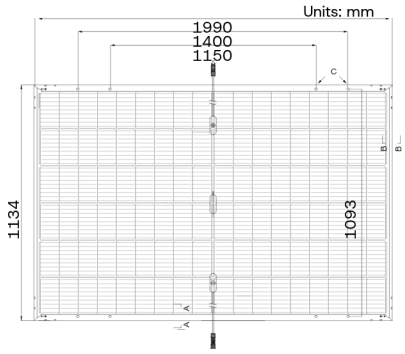
24.15%	0~3%	1%	0.35%	BC-CELL
MAX MODULE EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	LOWER OPERATING TEMPERATURE

Mechanical Parameters

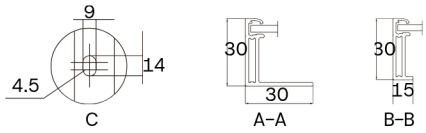
Cell Orientation	120 (6×20)
Junction Box	IP68, three diodes
Output Cable	4mm2, +400, -200mm/±1400mm length can be customized
Connector	EVO2A(Staubli) or PV-LR5(LONGi)
Glass	Dual glass, 2.0+2.0mm semi-tempered glass
Frame	Black anodized aluminum alloy frame
Weight	28 kg
Dimension	1990×1134×30mm
Packaging	36pcs per pallet / 180pcs per 20' GP / 792pcs per 40' HC







Tolerance:
Length: ±2mm
Width: ±2mm



Electrical Characteristics

STC : AM1.5 1000W/m2 25°C NOCT : AM1.5 800W/m2 20°C 1m/s

Test uncertainty for Pmax ±3%

Module Type	LR7-60HVDT-520M	LR7-60HVDT-525M	LR7-60HVDT-530M	LR7-60HVDT-535M	LR7-60HVDT-540M	LR7-60HVDT-545M
Testing Condition	STC	STC	STC	STC	STC	STC
Maximum Power (Pmax/W)	520	525	530	535	540	545
Open Circuit Voltage (Voc/V)	44.75	44.85	44.95	45.05	45.15	45.25
Short Circuit Current (Isc/A)	14.70	14.80	14.90	15.00	15.10	15.20
Voltage at Maximum Power (Vmp/V)	36.97	37.07	37.17	37.27	37.37	37.47
Current at Maximum Power (Imp/A)	14.06	14.16	14.26	14.36	14.45	14.55
Module Efficiency(%)	23.03	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

Min Designed Mechanical Load	1600Pa/1600Pa
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Resistance	25mm Hailstone at the speed of 23m/s

Temperature Ratings (STC)

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

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Specifications included in this datasheet are subject to change without notice. LONGi reserves the right of final interpretation.