Hi-MO X10

LR7-60HVD

530~555M

Scenario Adaptation
More flexible installation, suitable for mounting with short frame clamps under high mechanical load.

Advanced Technology
Superior efficiency for higher energy output.

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

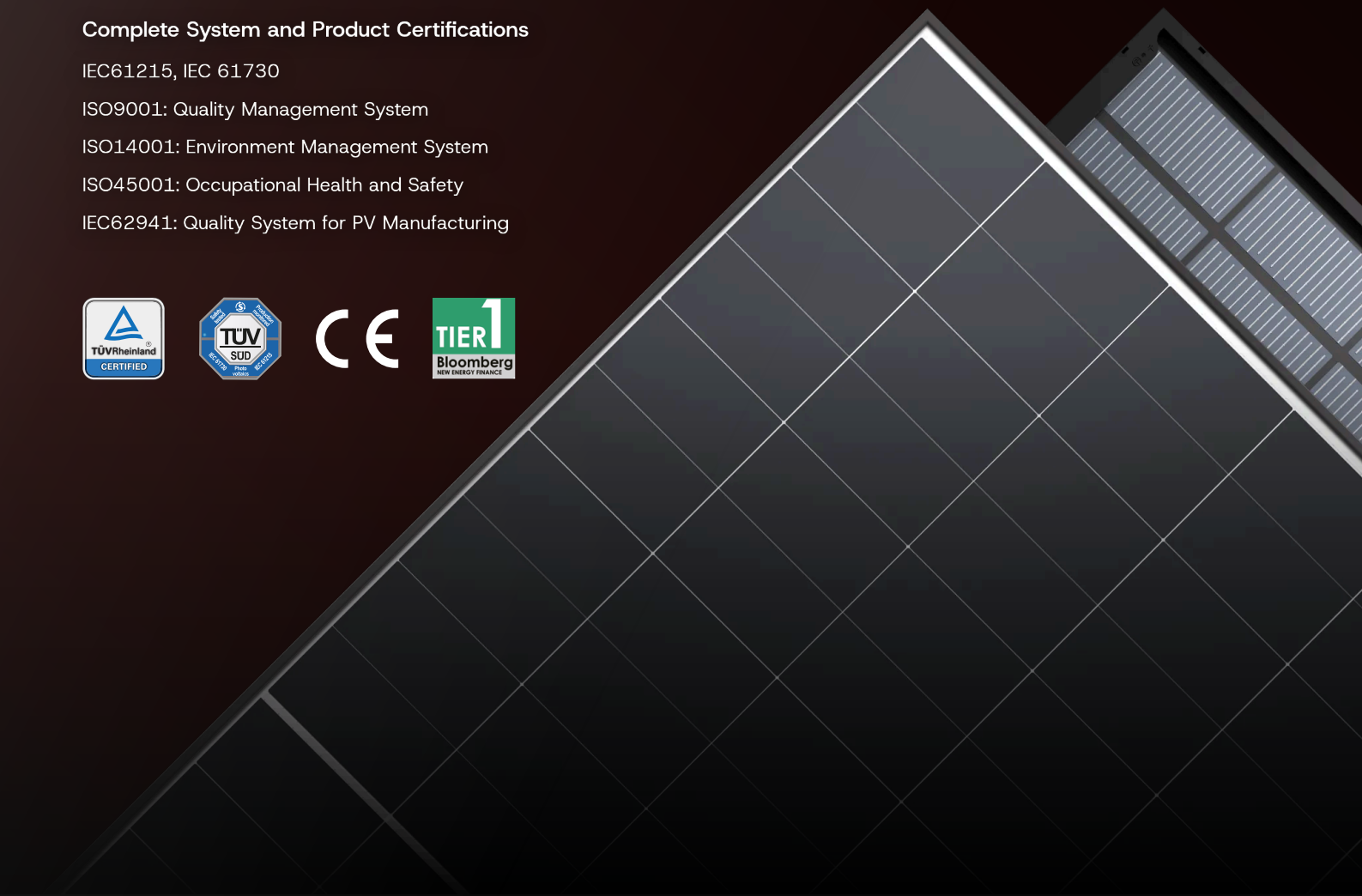
IEC61215, IEC 61730

ISO9001: Quality Management System

ISO14001: Environment Management System

ISO45001: Occupational Health and Safety

IEC62941: Quality System for PV Manufacturing



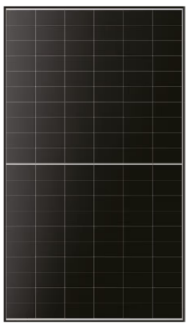
Hi-MO X10

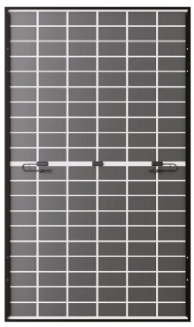
LR7-60HVD

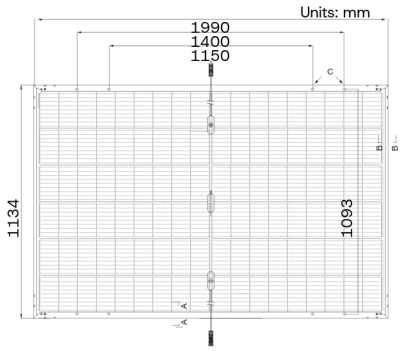
24.6%	0~3%	1%	0.35%	BC-CELL
MAX MODULE EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	LOWER OPERATING TEMPERATURE

Mechanical Parameters

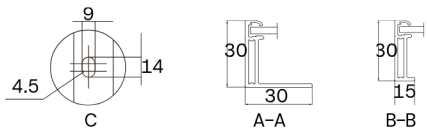
Cell Orientation	120 (6×20)
Junction Box	IP68, three diodes
Output Cable	4mm2, +400, -200mm/±1400mm length can be customized
Connector	EVO2A(Staubli) or PV-LR5(LONGi)
Glass	Dual glass, 2.0+2.0mm semi-tempered glass
Frame	Black anodized aluminum alloy frame
Weight	28 kg
Dimension	1990×1134×30mm
Packaging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







Tolerance:
Length: ±2mm
Width: ±2mm



Electrical characteristics with different rear side power gain

Pmax /W	Voc/V	Isc /A	Vmp/V	Imp /A	Pmax gain
535	45.05	15.00	37.27	14.36	0%
562	45.05	15.75	37.27	15.07	5%
589	45.05	16.50	37.27	15.79	10%
615	45.15	17.25	37.37	16.47	15%
642	45.15	18.00	37.37	17.18	20%
669	45.15	18.75	37.37	17.90	25%

Electrical Characteristics

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

Test uncertainty for Pmax ±3%

Module Type	LR7-60HVD-530M		LR7-60HVD-535M		LR7-60HVD-540M		LR7-60HVD-545M		LR7-60HVD-550M		LR7-60HVD-555M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	530	403	535	407	540	411	545	415	550	419	555	422
Open Circuit Voltage (Voc/V)	44.95	42.72	45.05	42.82	45.15	42.91	45.25	43.01	45.35	43.10	45.45	43.20
Short Circuit Current (Isc/A)	14.90	11.97	15.00	12.05	15.10	12.13	15.20	12.21	15.30	12.29	15.40	12.37
Voltage at Maximum Power (Vmp/V)	37.17	35.32	37.27	35.41	37.37	35.51	37.47	35.60	37.57	35.70	37.67	35.79
Current at Maximum Power (Imp/A)	14.26	11.42	14.36	11.50	14.45	11.58	14.55	11.65	14.64	11.73	14.73	11.80
Module Efficiency(%)	23.5		23.7		23.9		24.2		24.4		24.6	

Operating Parameters

Operational Temperature	-40℃ ~ +85℃
Power Output Tolerance	0 ~ 3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45±2℃
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	30mm Hailstone at the speed of 23.9m/s - RG3

Temperature Ratings (STC)

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

LONGi SOLAR

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