Hi-MO X10

LONGi SOLAR

THE smarter E AWARD

LR7-60HVH

535~560M

- Record efficiency for unmatched energy production
- Anti-shading function ensuring optimal performance and safety against hotspots
- Revolutionary technologies: TaiRay Wafer, HPBC 2.0 and OBB (zero busbar)
- Premium warranty and after-sales service

HPBC 2.0 | TaiRay | N-type

30 **30-year** Warranty for Extra Linear Power Output

15 **15-year** Warranty for Materials and Processing

Complete System and Product Certifications

IEC61215, IEC 61730

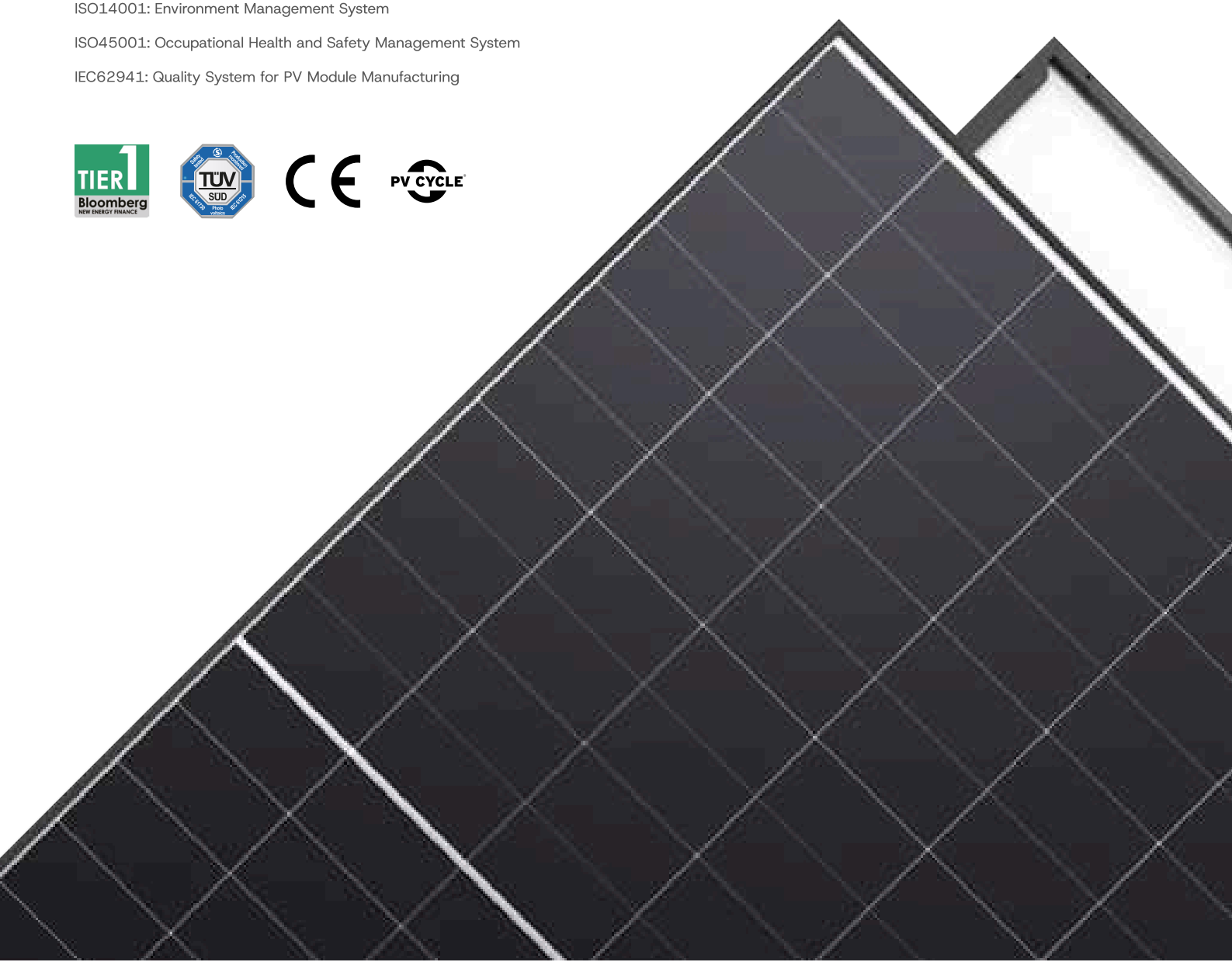
ISO9001: Quality Management System

ISO14001: Environment Management System

ISO45001: Occupational Health and Safety Management System

IEC62941: Quality System for PV Module Manufacturing

TIER 1 Bloomberg NEW ENERGY FINANCE | TÜV SÜD | CE | PV CYCLE



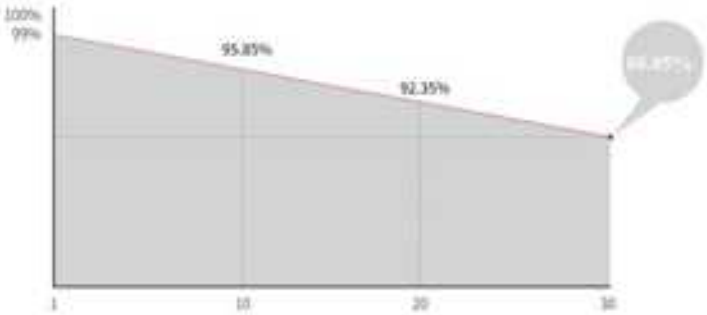
Define Roof Define Life

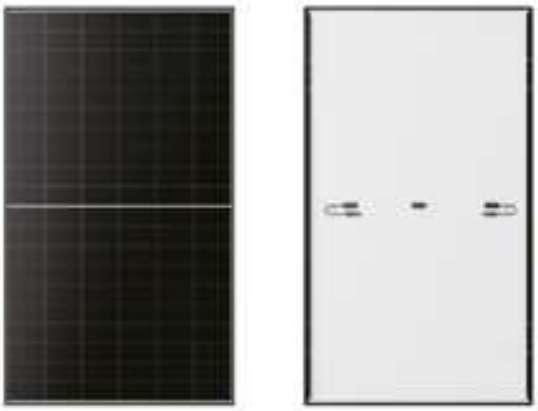
LR7-60HVH

24.8%	0~3%	1%	0.35%	BC-CELL
MAX MODULE EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2~30 POWER DEGRADATION	LOWER OPERATING TEMPERATURE

Additional Value

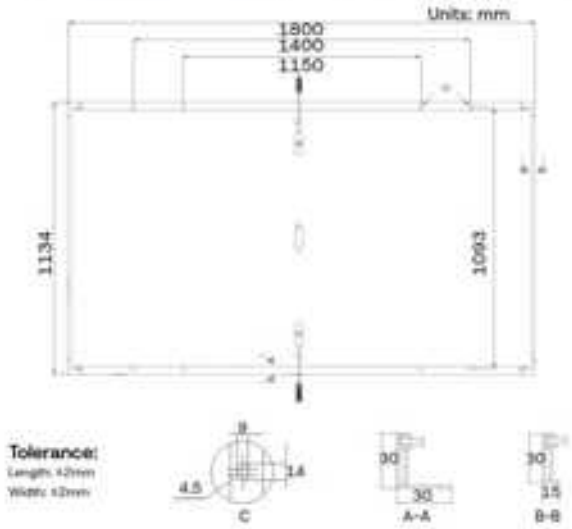
30-Year Power Warranty





Mechanical Parameters

Cell Orientation	120 (6×20)
Junction Box	IP68, three diodes
Output Cable	4mm2, +400, -200mm/±12.00mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Black anodized aluminum alloy frame
Weight	24.8
Dimension	1990×1134×30mm
Packaging	36pcs per pallet / 180pcs per 20' GP / 792pcs per 40' HC



Electrical Characteristics

STC : AM1.5 1000W/m2 25℃ NOCT : AM1.5 800W/m2 20℃ 1m/s Test uncertainty for Pmax ±3%

Module Type	LR7-60HVH-535M		LR7-60HVH-540M		LR7-60HVH-545M		LR7-60HVH-550M		LR7-60HVH-555M		LR7-60HVH-560M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	535	407	540	411	545	415	550	419	555	422	560	426
Open Circuit Voltage (Voc/V)	44.78	42.57	44.88	42.66	44.98	42.76	45.08	42.85	45.18	42.95	45.28	43.04
Short Circuit Current (Isc/A)	15.15	12.17	15.25	12.25	15.35	12.33	15.45	12.41	15.55	12.49	15.65	12.57
Voltage at Maximum Power (Vmp/V)	37.01	35.16	37.11	35.26	37.21	35.35	37.31	35.45	37.41	35.54	37.51	35.64
Current at Maximum Power (Imp/A)	14.46	11.58	14.55	11.66	14.65	11.73	14.74	11.81	14.84	11.89	14.93	11.96
Module Efficiency(%)	23.7		23.9		24.2		24.4		24.6		24.8	

Operating Parameters

Operational Temperature	-40℃ ~ +85℃
Power Output Tolerance	0 ~ 3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2℃
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%/℃
Temperature Coefficient of Voc	-0.260%/℃
Temperature Coefficient of Pmax	-0.200%/℃

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