

Hi-MO X10

LONGI
SOLAR

LR7-60HVVH

THE **smarter**
AWARD **E**

535–560 M

- 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



N-type



30 Jahre Garantie auf
besonders lineare
Leistungsabgabe

15 Jahre Garantie auf
Material und Verarbeitung

Zertifizierungen für das gesamte System und die Produkte

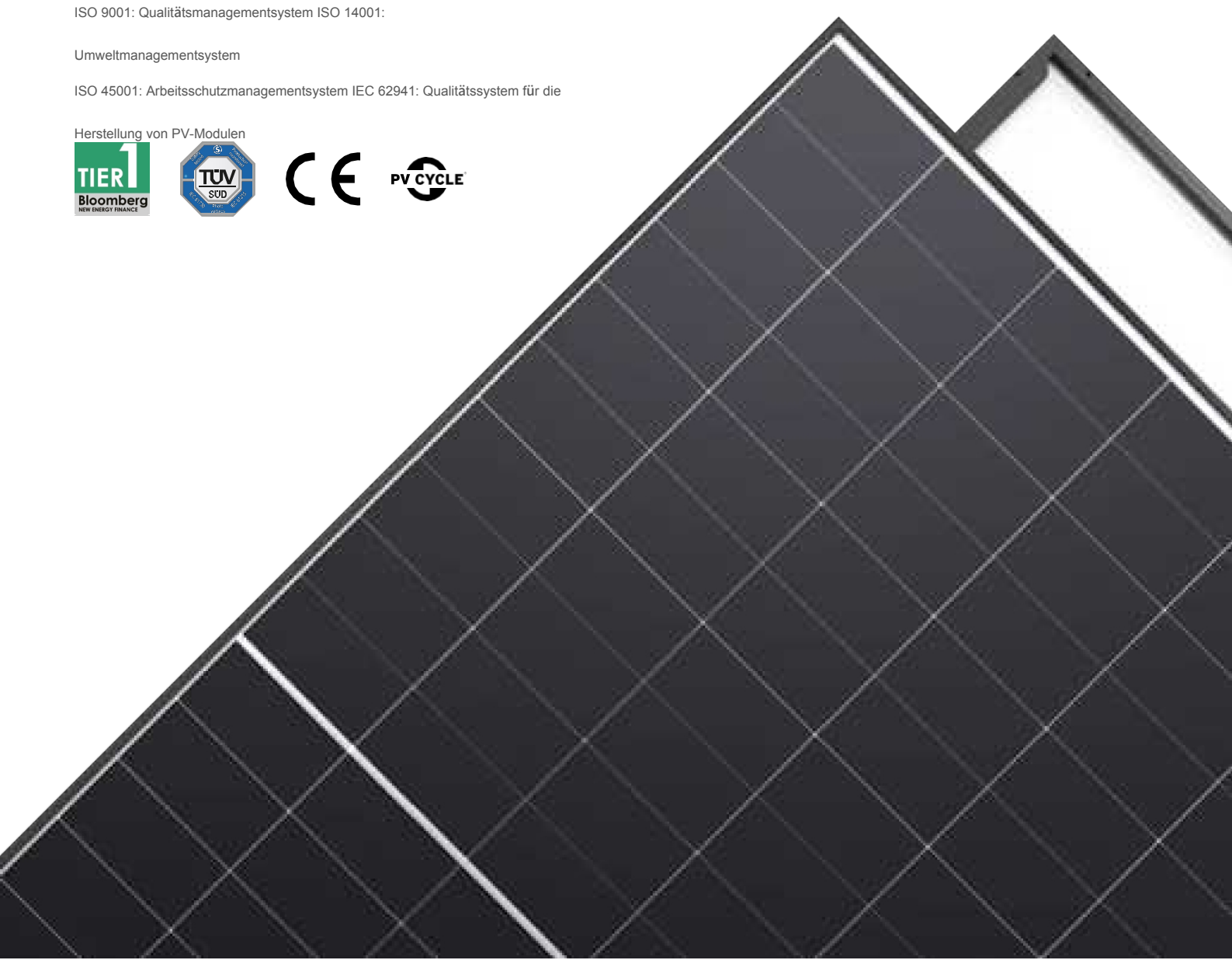
IEC 61215, IEC 61730

ISO 9001: Qualitätsmanagementsystem ISO 14001:

Umweltmanagementsystem

ISO 45001: Arbeitsschutzmanagementsystem IEC 62941: Qualitätssystem für die

Herstellung von PV-Modulen



24.8 %
MAX MODULE
EFFICIENCY

0~3%
POWER
TOLERANCE

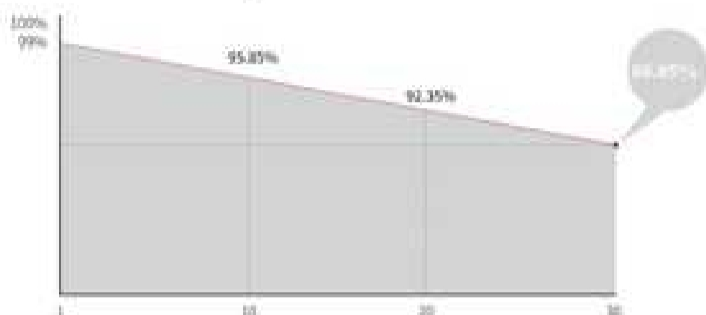
1%
FIRST YEAR
POWER DEGRADATION

0.35 %
YEAR 2-30
POWER DEGRADATION

BC-CELL
LOWER OPERATING
TEMPERATURE

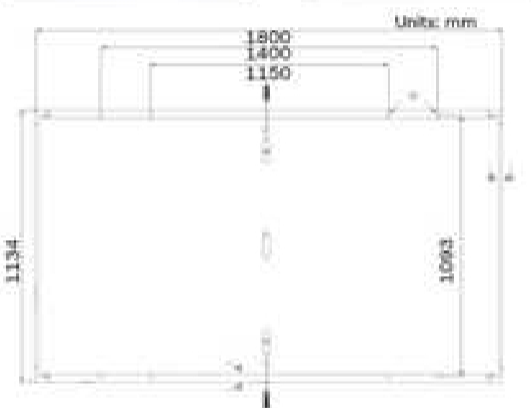
Additional Value

30-Year Power Warranty



Mechanical Parameters

Cell Orientation	120 (6°±20°)
Junction Box	IP68, three diodes
Output Cable	4mm ² , +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	1890*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°CNOCT : AM1.5 800W/m² 20°C 1m/sTest uncertainty for P_{max} ±3%

Module Type	LR7-60HVVH-535M		LR7-60HVVH-540M		LR7-60HVVH-545M		LR7-60HVVH-550M		LR7-60HVVH-555M		LR7-60HVVH-560M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P _{max} /W)	535	407	540	411	545	415	550	410	555	422	560	426
Open Circuit Voltage (V _{oc} /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 (I _{sc} /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 (V _{mp} /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 (I _{mp} /A)	14.48	11.56	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°C ~ +85°C
Power Output Tolerance	0 ~ 3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	25A
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}	-0.260%/°C
Temperature Coefficient of P _{max}	-0.200%/°C