

# Hi-MO X10

LONGI  
SOLAR

## LR7-72HVD

# 650~660M

THE **smarter**  
AWARD 

- Suitable for Distribution Market
- Peak efficiency with top power generation performance
- TaiRay wafer & BC technology enhances high product reliability
- More suitable for industrial and commercial cement roofs and high temperature scenarios

HPBC  
2.0



 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



**24.4 %**  
MAX MODULE  
EFFICIENCY

**0~3%**  
POWER  
TOLERANCE

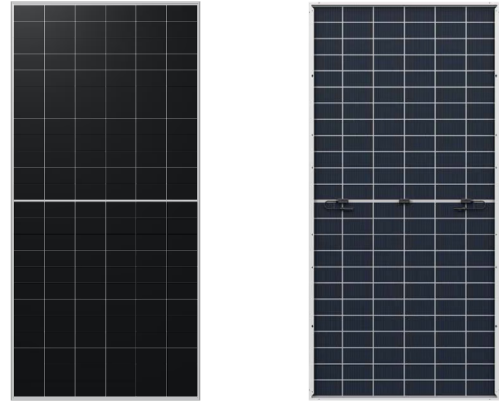
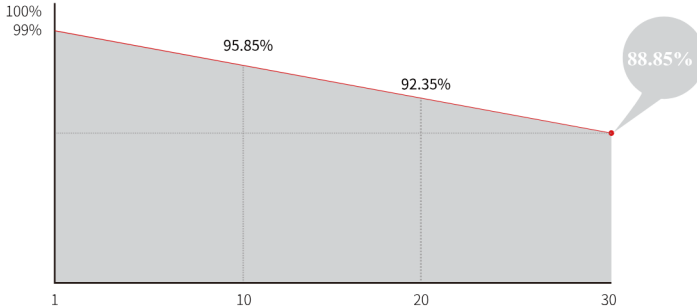
**1%**  
FIRST YEAR  
POWER DEGRADATION

**0.35 %**  
YEAR 2-30  
POWER DEGRADATION

**BC-CELL**  
LOWER OPERATING  
TEMPERATURE

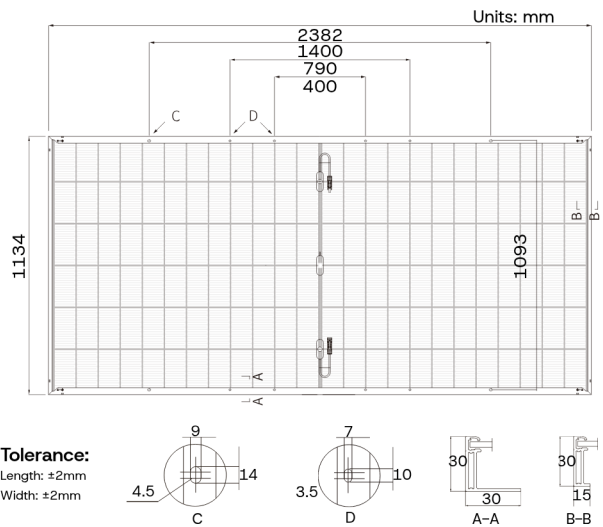
## Additional Value

### 30 Year Power Warranty



## Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68
Output Cable	4mm <sup>2</sup> , +400, -200mm/±12 00mm length can be customized
Glass	Dual glass, 2.0+2.0mm semi-tempered glass
Frame	Anodized aluminum alloy frame
Weight	32.5
Dimension	2382×1134×30mm
Packaging	36pcs per pallet / 144pcs per 20' GP / 720pcs per 40' HC



## Electrical Characteristics

STC : AM1.5 1000W/m<sup>2</sup> 25°C

NOCT : AM1.5 800W/m<sup>2</sup> 20°C 1m/s

Test uncertainty for P<sub>max</sub> ±3%

Module Type	LR7-72HVD-650M		LR7-72HVD-655M		LR7-72HVD-660M	
	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P <sub>max</sub> /W)	650.0	494.8	655.0	498.6	660.0	502.4
Open Circuit Voltage (V <sub>oc</sub> /V)	54.22	51.53	54.32	51.62	54.42	51.72
Short Circuit Current (I <sub>sc</sub> /A)	15.14	12.16	15.22	12.22	15.3	12.29
Voltage at Maximum Power (V <sub>mp</sub> /V)	44.87	42.64	44.97	42.74	45.07	42.83
Current at Maximum Power (I <sub>mp</sub> /A)	14.49	11.61	14.57	11.68	14.65	11.75
Module Efficiency(%)	24.4		24.2		24.4	

## Electrical characteristics with different rear side power gain

P <sub>max</sub> /W	V <sub>oc</sub> /V	I <sub>sc</sub> /A	V <sub>mp</sub> /V	I <sub>mp</sub> /A	P <sub>max</sub> gain
677.0	54.12	15.81	44.77	15.13	0.05
710.0	54.12	16.57	44.77	15.85	0.1
744.0	54.22	17.32	44.87	16.57	0.15
776.0	54.22	18.07	44.87	17.29	0.2
808.0	54.22	18.83	44.87	18.01	0.25

## 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 <sub>sc</sub>	+0.050%/°C
Temperature Coefficient of V <sub>oc</sub>	-0.200%/°C
Temperature Coefficient of P <sub>max</sub>	-0.260%/°C