

# Hi-MO X10 Artist

LR7-54HVB  
475~500M

- Highest efficiency with the best energy generation performance
- N-type TaiRay wafer & HPBC2.0 & 0BB innovative structure
- Anti-Shading & Prevent Localized Overheating
- Pure black for extreme elegance
- Longer product warranty, better service

25

25-year Warranty for  
Materials and Processing

30

30-year Warranty for Extra  
Linear Power Output

## Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730

ISO9001:2015: ISO Quality Management System

ISO14001: 2015: ISO Environment Management System

ISO45001: 2018: Occupational Health and Safety

IEC62941: Guideline for module design qualification and type approval

**LONGI**



**24.5%**  
MAX MODULE  
EFFICIENCY

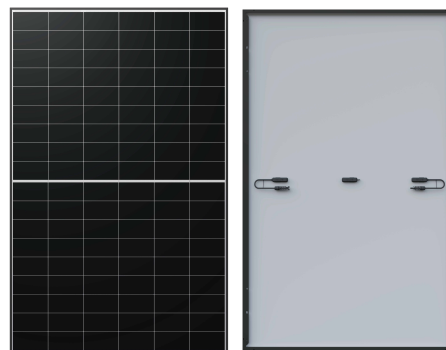
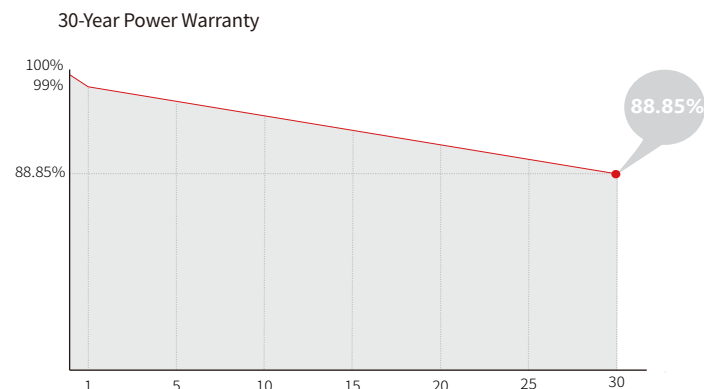
**0~3%**  
POWER  
TOLERANCE

**<1%**  
FIRST YEAR  
POWER DEGRADATION

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

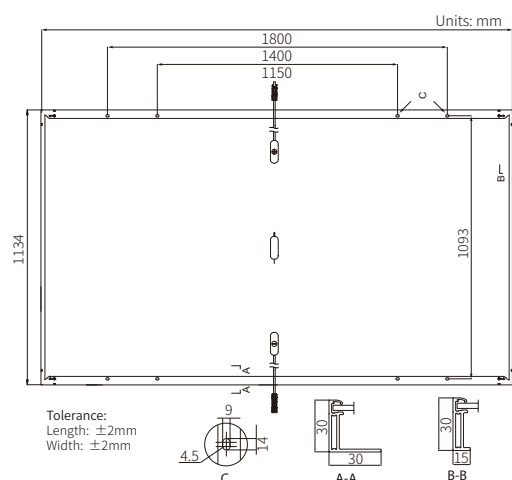
**BC-CELL**  
LOWER OPERATING  
TEMPERATURE

## Additional Value



## Mechanical Parameters

|                  |                                                                     |
|------------------|---------------------------------------------------------------------|
| Cell Orientation | 108 (6×18)                                                          |
| Junction Box     | IP68                                                                |
| Output Cable     | 4mm <sup>2</sup> , +400, -200mm/±1200mm<br>length can be customized |
| Glass            | Single glass, 3.2mm coated tempered glass                           |
| Frame            | Black anodized aluminum alloy frame                                 |
| Weight           | 21.6kg                                                              |
| Dimension        | 1800×1134×30mm                                                      |
| Packaging        | 36pcs per pallet / 216pcs per 20' GP / 864pcs 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                                   | LR7-54HVB-475M |       | LR7-54HVB-480M |       | LR7-54HVB-485M |       | LR7-54HVB-490M |       | LR7-54HVB-495M |       | LR7-54HVB-500M |       |
|-----------------------------------------------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
| Testing Condition                             | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  |
| Maximum Power (P <sub>max</sub> /W)           | 475            | 362   | 480            | 365   | 485            | 369   | 490            | 373   | 495            | 377   | 500            | 381   |
| Open Circuit Voltage (V <sub>oc</sub> /V)     | 40.18          | 38.18 | 40.29          | 38.29 | 40.40          | 38.39 | 40.52          | 38.51 | 40.64          | 38.62 | 40.76          | 38.73 |
| Short Circuit Current (I <sub>sc</sub> /A)    | 15.03          | 12.08 | 15.13          | 12.16 | 15.23          | 12.24 | 15.33          | 12.32 | 15.43          | 12.40 | 15.53          | 12.48 |
| Voltage at Maximum Power (V <sub>mp</sub> /V) | 33.16          | 31.52 | 33.28          | 31.63 | 33.40          | 31.74 | 33.51          | 31.85 | 33.62          | 31.95 | 33.73          | 32.05 |
| Current at Maximum Power (I <sub>mp</sub> /A) | 14.33          | 11.49 | 14.43          | 11.57 | 14.53          | 11.65 | 14.63          | 11.73 | 14.73          | 11.81 | 14.83          | 11.89 |
| Module Efficiency(%)                          | 23.3           |       | 23.5           |       | 23.8           |       | 24.0           |       | 24.3           |       | 24.5           |       |

## 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 |