

Hi-MO X10

LR7-54HVD (Transparent Design)

465~495M

**Bifacial
Power Generation**



Advanced:

High efficiency with better energy generation.



Value-Added:

Better bifacial performance, gain amplified returns.



Safe:

Anti-shading & TaiRay wafers ensure ultimate safety.



Aesthetic:

Gridless aesthetics adapts to diverse settings.



15-year Warranty for
Materials and Processing



30-year Warranty for
Extra Linear Power Output

Complete System and Product Certifications

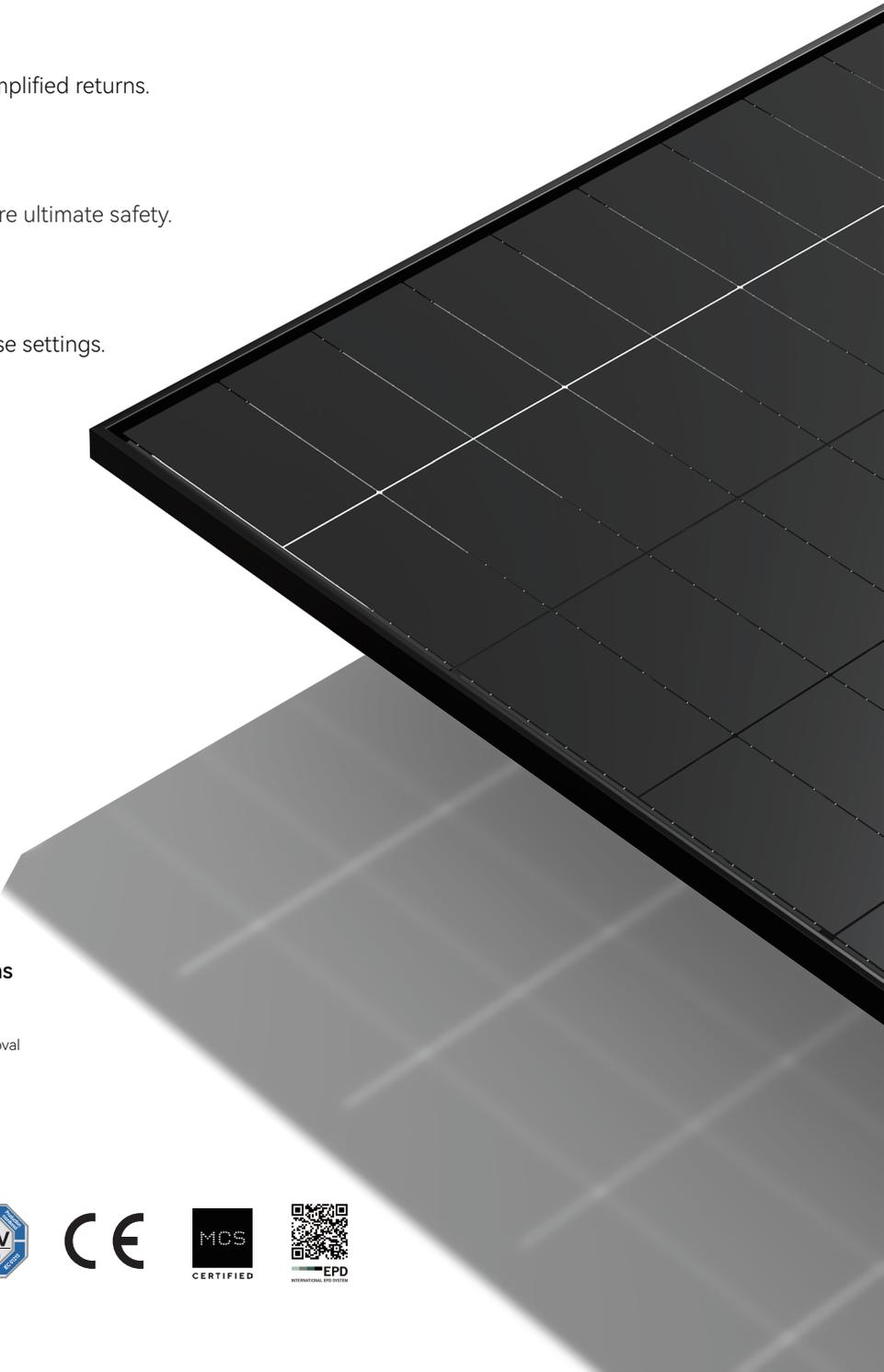
IEC 61215, IEC 61730

IEC62941: Guideline for module design qualification and type approval

ISO9001: Quality Management System

ISO14001: Environment Management System

ISO45001: Occupational Health and Safety



24.25%

MAX MODULE
EFFICIENCY

0~3%

POWER
TOLERANCE

1%

FIRST YEAR
POWER DEGRADATION

0.35%

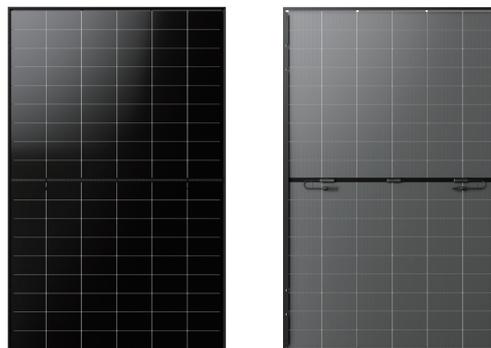
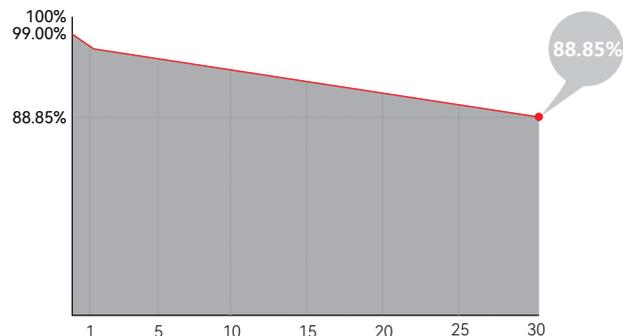
YEAR 2-30
POWER DEGRADATION

BC-CELL

LOWER OPERATING
TEMPERATURE

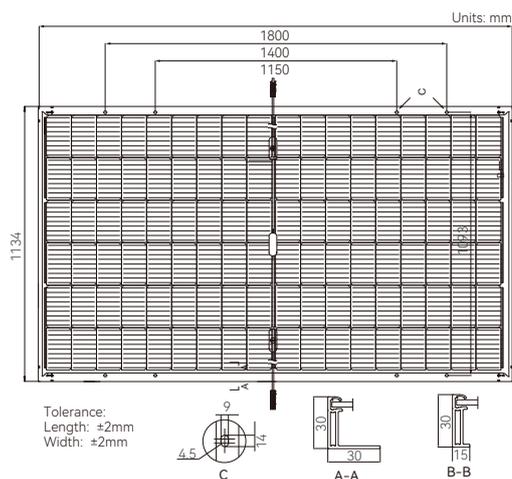
Additional Value

30-Year Power Warranty



Mechanical Parameters

| | |
|------------------|---|
| Cell Orientation | 108 (6×18) |
| Junction Box | IP68 |
| Output Cable | 4mm ² ;+400/-200mm/±1200mm length can be customized |
| Glass | Double glass 2.0mm semi-tempered glass+1.6mm semi-tempered glass |
| Frame | Black anodized aluminum alloy frame |
| Weight | 23.5 kg |
| Dimension | 1800×1134×30mm |
| Packaging | 36pcs per pallet / 216pcs per 20'GP / 864pcs per 40'HC |



Electrical Characteristics

STC : AM1.5 1000W/m² 25°C

Test uncertainty for Pmax: ±3%

| Module Type | LR7-54HVD-465M | LR7-54HVD-470M | LR7-54HVD-475M | LR7-54HVD-480M | LR7-54HVD-485M | LR7-54HVD-490M | LR7-54HVD-495M |
|----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Testing Condition | STC |
| Maximum Power (Pmax/W) | 465 | 470 | 475 | 480 | 485 | 490 | 495 |
| Open Circuit Voltage (Voc/V) | 40.20 | 40.31 | 40.42 | 40.53 | 40.64 | 40.75 | 40.86 |
| Short Circuit Current (Isc/A) | 14.68 | 14.78 | 14.88 | 14.98 | 15.08 | 15.18 | 15.28 |
| Voltage at Maximum Power (Vmp/V) | 33.18 | 33.29 | 33.40 | 33.51 | 33.62 | 33.73 | 33.84 |
| Current at Maximum Power (Imp/A) | 14.02 | 14.13 | 14.23 | 14.33 | 14.43 | 14.53 | 14.63 |
| Module Efficiency(%) | 22.78 | 23.03 | 23.27 | 23.52 | 23.76 | 24.01 | 24.25 |

Operating Parameters

| | |
|------------------------------------|---------------|
| Operational Temperature | -40°C ~ +85°C |
| Power Output Tolerance | 0~3% |
| Maximum System Voltage | DC1500V (IEC) |
| Maximum Series Fuse Rating | 30A |
| Nominal Operating Cell Temperature | 45±2°C |
| Protection Class | Class II |
| Bifaciality | 70±5% |
| Fire Rating | IEC Class A |

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%/°C |
| Temperature Coefficient of Voc | -0.200%/°C |
| Temperature Coefficient of Pmax | -0.260%/°C |