

# LONGI EcoLife Anti-Glare Pro

## LR7-54HVB

THE **smarter**  
AWARD 

# 445~465M

Pure-Black Glare-Free,  
Neighbour-Friendly



### Anti-glare

Small concave  
conex structures

Visual  
Comfort



### Premium

Better  
appearance

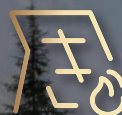
Premium  
black



### HW4

Hail  
Resistance

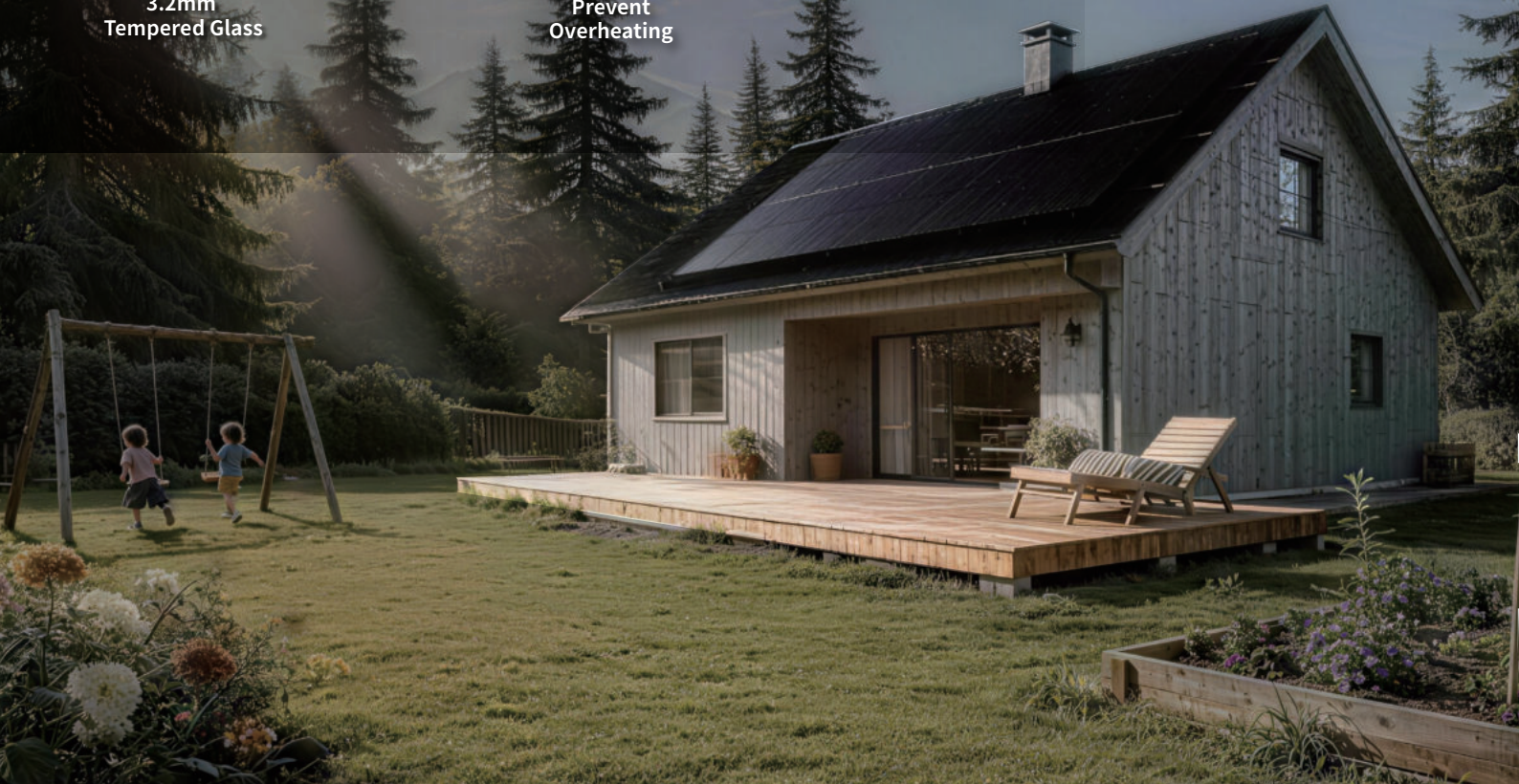
3.2mm  
Tempered Glass



### 60°C

Lower Temperature  
under Shade

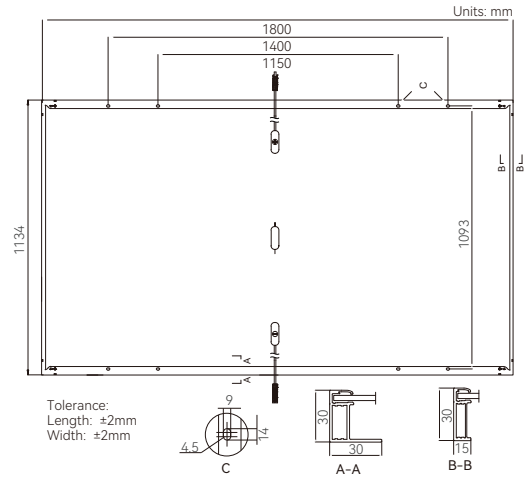
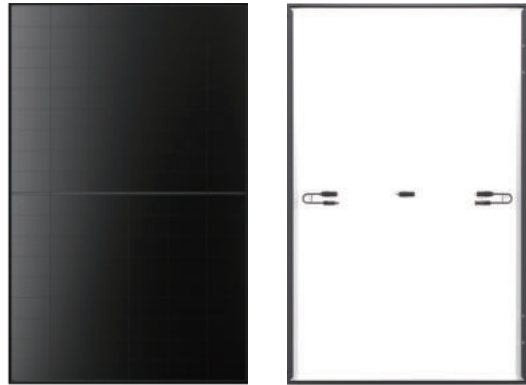
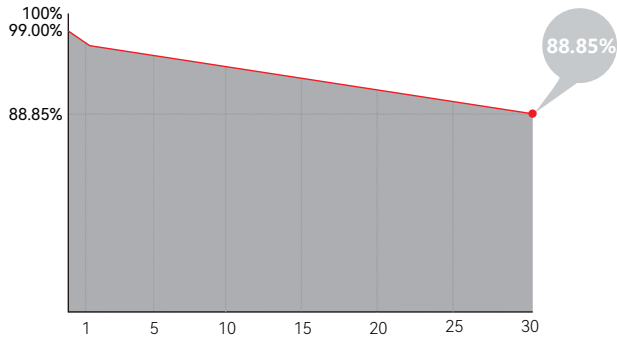
Prevent  
Overheating



<b>22.78%</b> MAX MODULE EFFICIENCY	<b>0~3%</b> POWER TOLERANCE	<b>1%</b> FIRST YEAR POWER DEGRADATION	<b>0.35%</b> YEAR 2-30 POWER DEGRADATION	<b>BC-CELL</b> LOWER OPERATING TEMPERATURE
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**Additional Value**

**30-Year Power Warranty**



**Mechanical Parameters**

Cell Orientation	108 (6×18)
Junction Box	IP68
Output Cable	4mm <sup>2</sup> ; +400/-200mm/±1200mm length can be customized
Glass	Single glass, 3.2mm Anti-glare tempered glass
Frame	Black anodized aluminum alloy frame
Weight	21.6 kg
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 Test uncertainty for Pmax: ±3%

Module Type	LR7-54HVB-445M	LR7-54HVB-450M	LR7-54HVB-455M	LR7-54HVB-460M	LR7-54HVB-465M
Testing Condition	STC	STC	STC	STC	STC
Maximum Power (Pmax/W)	445	450	455	460	465
Open Circuit Voltage (Voc/V)	39.52	39.63	39.74	39.85	39.96
Short Circuit Current (Isc/A)	14.43	14.53	14.63	14.73	14.83
Voltage at Maximum Power (Vmp/V)	32.45	32.57	32.69	32.81	32.93
Current at Maximum Power (Imp/A)	13.71	13.82	13.92	14.03	14.13
Module Efficiency(%)	21.80	22.05	22.29	22.54	22.78

**Operating Parameters**

Module [T98] max	70°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**

Designed mechanical load	1600Pa/1600Pa
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hail Class	HW4 <sup>2</sup> (TBD)

**Temperature Ratings (STC)**

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.200%/°C
Temperature Coefficient of Pmax	-0.260%/°C