

HPBC

WERAN

WR5-54HTB 415~435M

22.3%

MAX MODULE
EFFICIENCY

0~3%

POWER
TOLERANCE

< 1.5%

FIRST YEAR
POWER DEGRADATION

0.40%

YEAR 2~25
POWER DEGRADATION



15-year Warranty for
Materials and Processing



25-year Warranty for Extra
Linear Power Output



- ✓ Suitable for Distribution Market
- ✓ Pure Black for Extreme Elegance
- ✓ Better Energy Generation Performance
- ✓ High-Quality Module Guarantees Long-Term Reliability
- ✓ No grid line on the front surface



Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730

ISO9001:2015: ISO Quality Management System

ISO14001: 2015: ISO Environment Management System

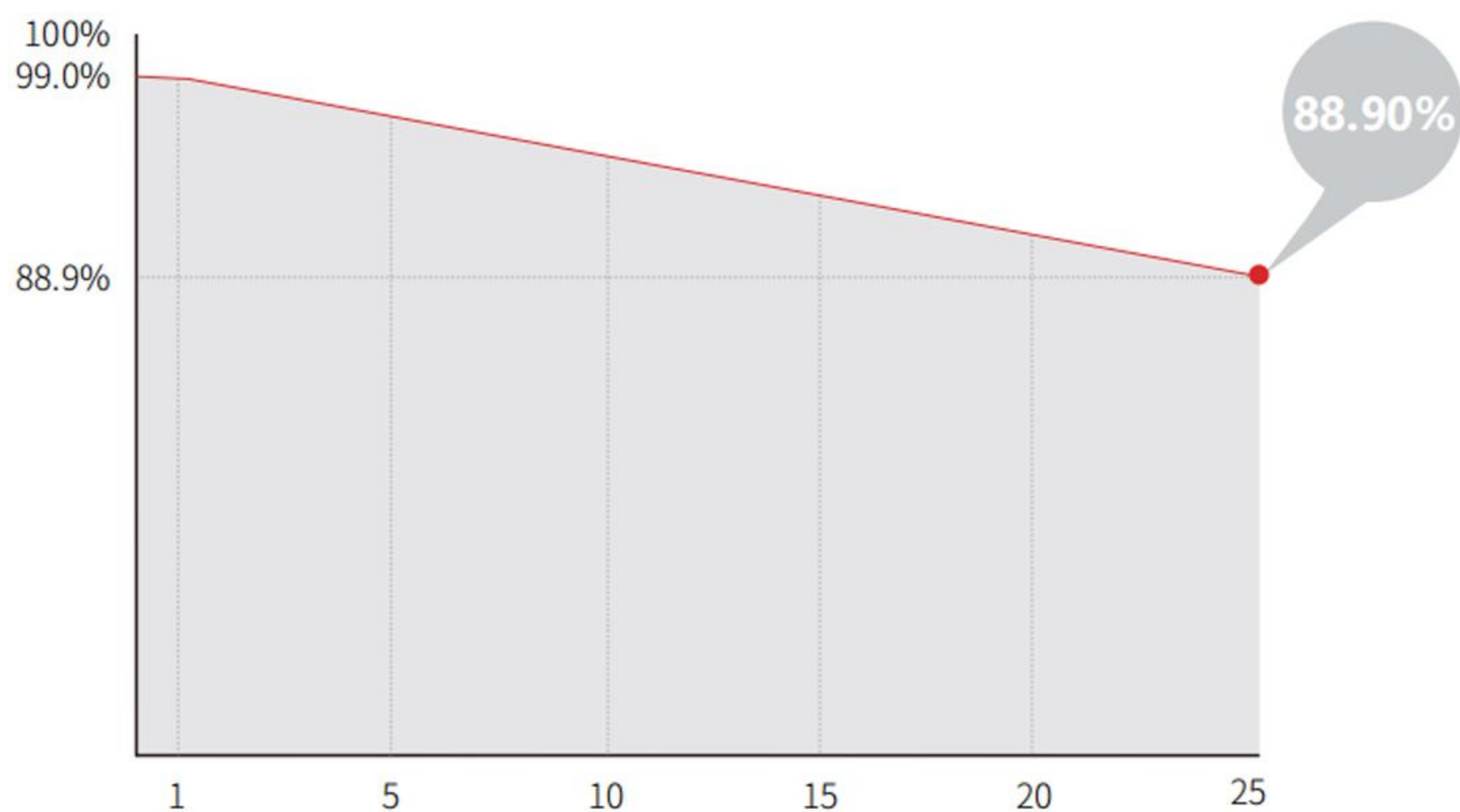
ISO45001: 2018: Occupational Health and Safety

IEC62941: Guideline for module design qualification and type approval



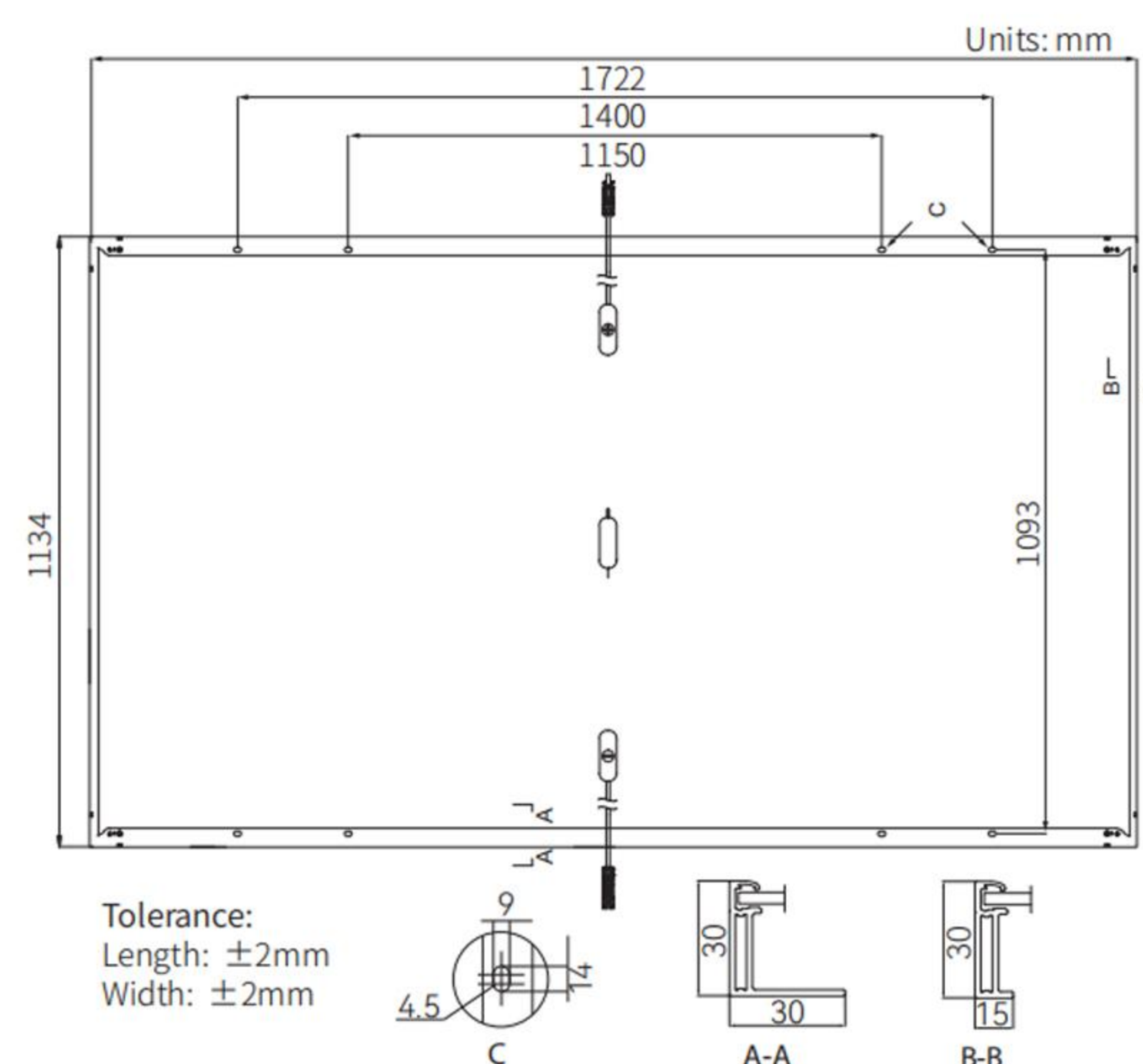
Additional Value

25-Year Power Warranty



Mechanical Parameters

Cell Orientation	108 (6x18)
Junction Box	IP68 - LONGi junction box
Output Cable	4mm ² , ±1200mm, length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	20.8kg
Dimension	1722x1134x30mm
Packaging	36pcs per pallet 216pcs per 20'GP / 936pcs per 40'HC



Electrical Characteristics

STC:AM1.5 1000W/m² 25°C NOCT:AM1.5 800W/m² 20°C 1m/s Test uncertainty for Pmax: ±3%

Module Type	WR5-54HTB 415M		WR5-54HTB 420M		WR5-54HTB 425M		WR5-54HTB 430M		WR5-54HTB 435M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	415	310	420	314	425	318	430	321	435	325
Open Circuit Voltage (Voc/V)	38.83	36.46	39.03	36.65	39.23	36.83	39.43	37.02	39.63	37.21
Short Circuit Current (Isc/A)	13.78	11.13	13.85	11.19	13.93	11.25	14.00	11.31	14.08	11.37
Voltage at Maximum Power (Vmp/V)	32.56	29.71	32.76	29.89	32.96	30.08	33.16	30.26	33.36	30.44
Current at Maximum Power (Imp/A)	12.75	10.44	12.83	10.50	12.90	10.56	12.97	10.62	13.05	10.68
Module Efficiency(%)	21.3		21.5		21.8		22.0		22.3	

Operating Parameters

Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	UL type 1 or 2 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 Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.290%/°C