

HPBC

WERAN

LR7-72HTH 595~620M

23.0%

MAX MODULE
EFFICIENCY

0~3%

POWER
TOLERANCE

<1%

FIRST YEAR
POWER DEGRADATION

0.40%

YEAR 2~25
POWER DEGRADATION



12-year Warranty for
Materials and Processing



25-year Warranty for Extra
Linear Power Output



Suitable for Distribution Market



HPBC Cell and TaiRay Inside, Provide Stronger Power Generation Performance



Optimum Size - Lower Transportation Costs and BOS Costs



Full Back Welding Technology Enhances Panels' Resistance to Micro-cracking



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

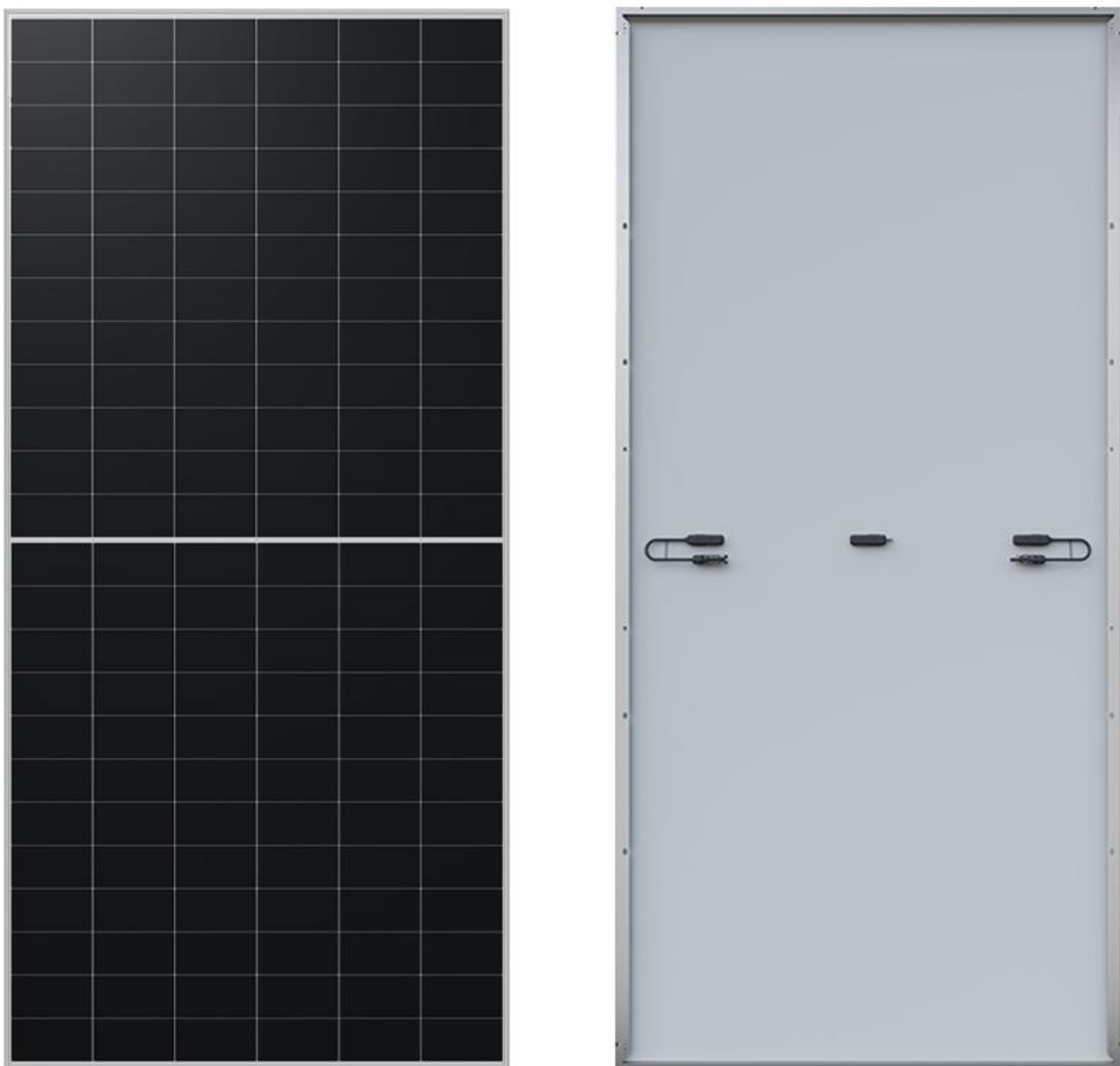
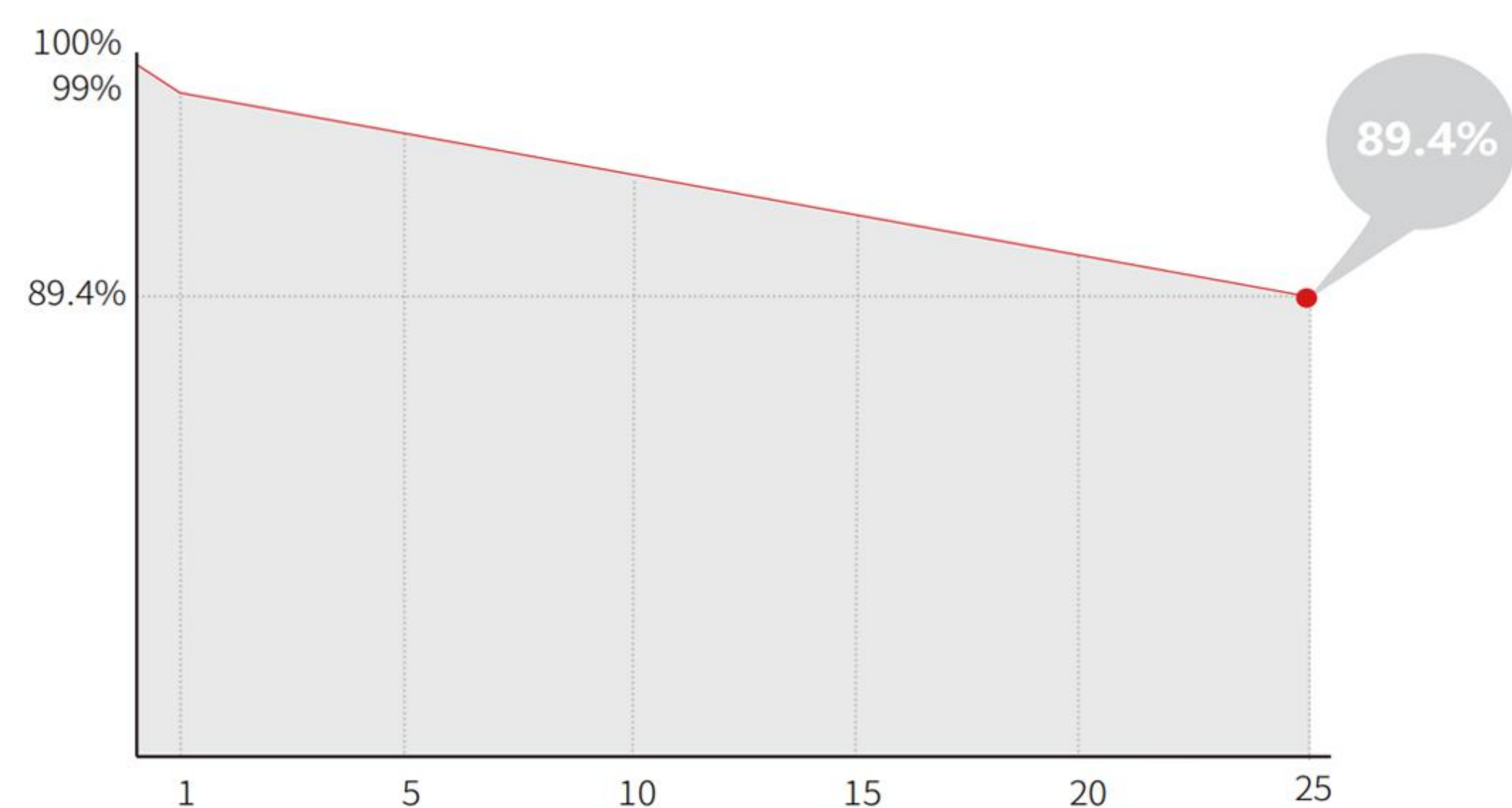


HPBC

LR7-72HTH 595~620M

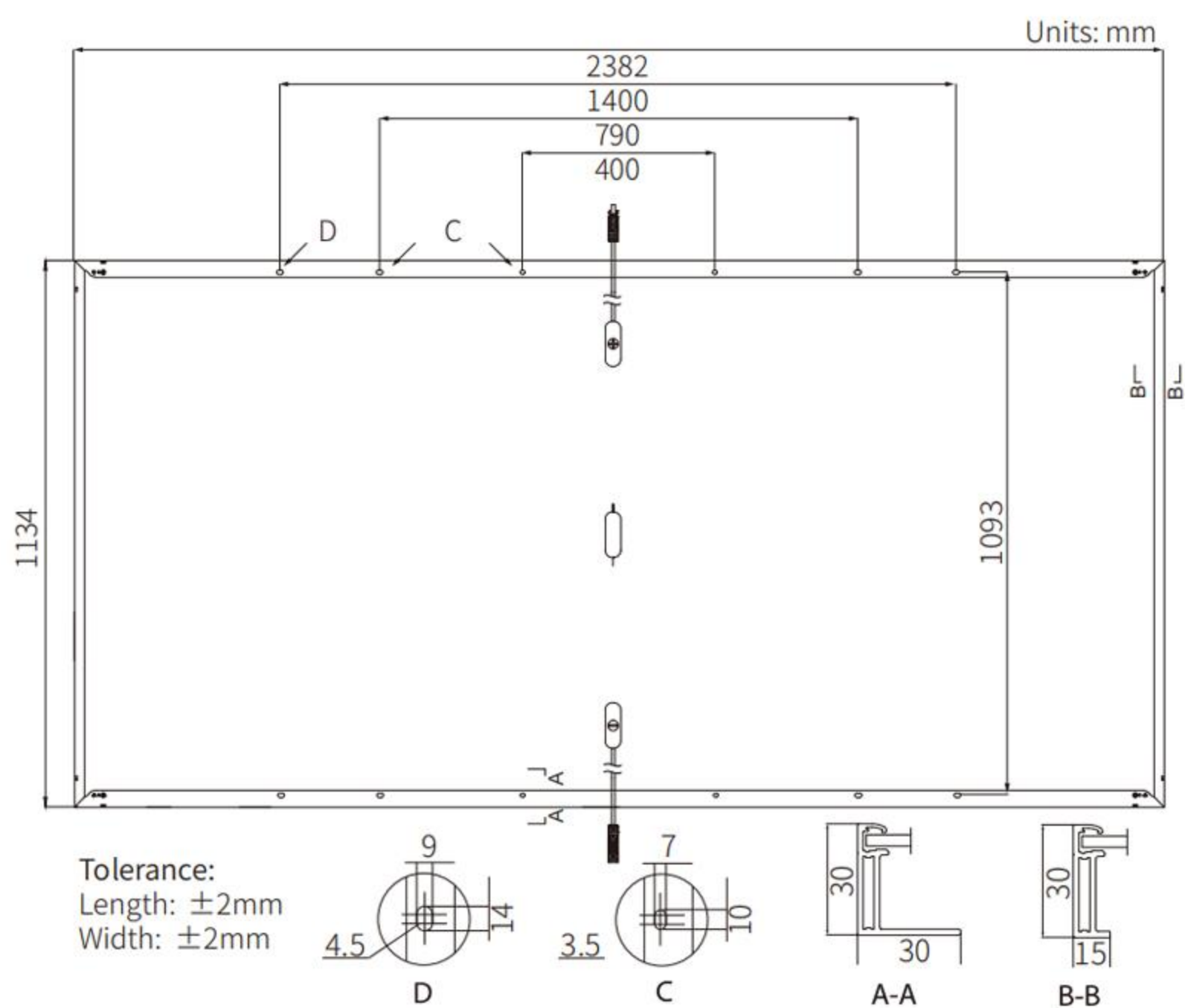
Additional Value

25-Year Power Warranty



Mechanical Parameters

Cell Orientation	144 (6x24)
Junction Box	IP68 - LONGi junction box
Output Cable	4mm ² , ±1400mm
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	28.5kg
Dimension	2382x1134x30mm
Packaging	36pcs per pallet 144pcs per 20'GP / 720pcs 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	LR7-72HTH 595M		LR7-72HTH 600M		LR7-72HTH 605M		LR7-72HTH 610M		LR7-72HTH 615M		LR7-72HTH 620M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	595	444.7	600	448.4	605	452.1	610	455.9	615	459.6	620	463.4
Open Circuit Voltage (Voc/V)	51.97	48.97	52.12	49.11	52.27	49.17	52.42	49.22	52.57	49.36	52.72	49.59
Short Circuit Current (Isc/A)	14.62	11.81	14.68	11.86	14.74	11.91	14.80	11.95	14.87	12.01	14.93	12.06
Voltage at Maximum Power (Vmp/V)	43.72	39.90	43.88	40.04	44.03	40.18	44.18	40.32	44.33	40.46	44.48	40.59
Current at Maximum Power (Imp/A)	13.62	11.15	13.69	11.21	13.75	11.26	13.81	11.31	13.88	11.36	13.94	11.42
Module Efficiency(%)	22.0		22.2		22.4		22.6		22.8		23.0	

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	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	-0.280%/°C