

M10 MBB Mono Black Module

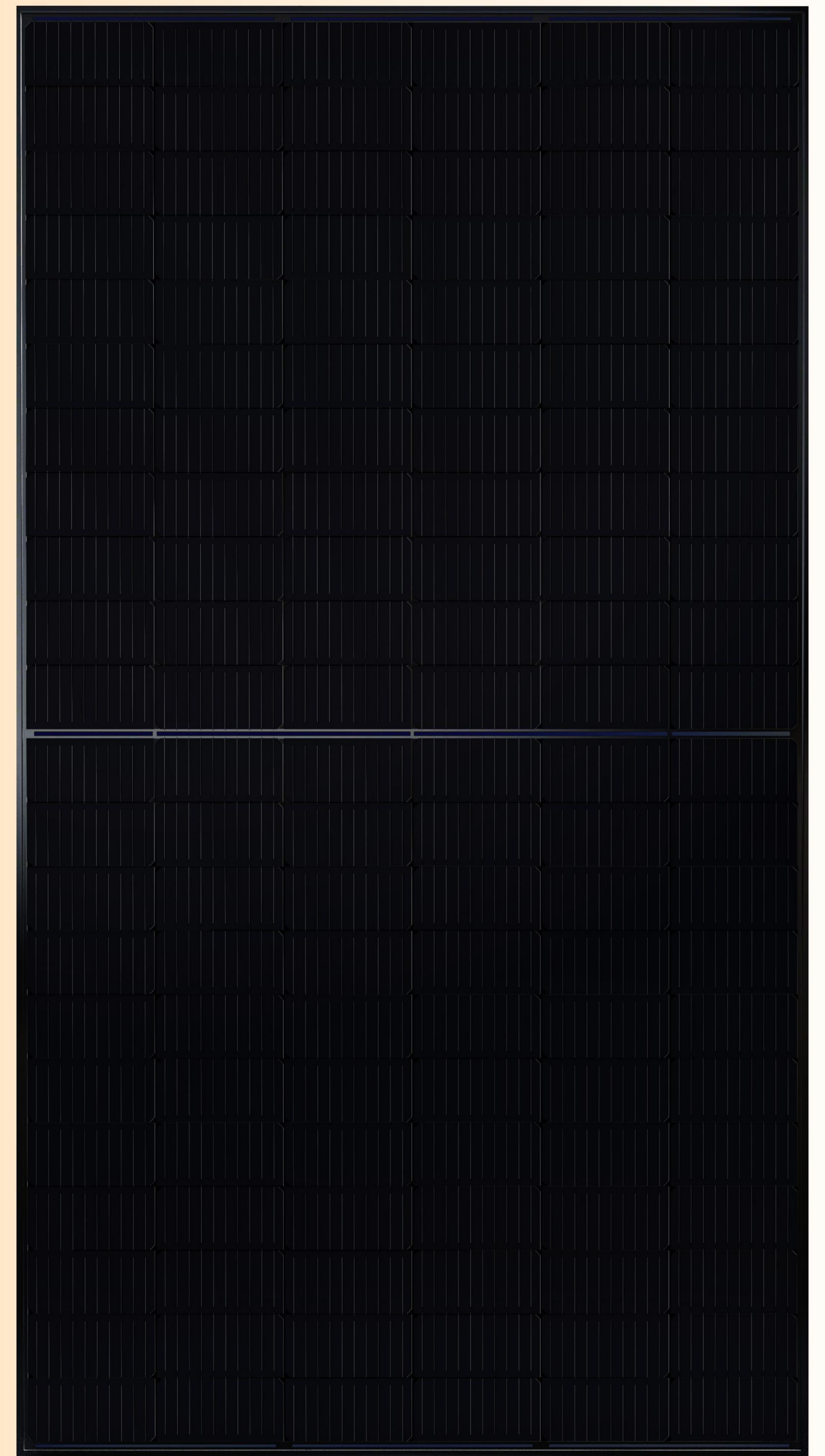
132 Half Cells

Black frame & Backsheet

12 Years Product warranty

25 Years Linear power warranty

Integrated Solar Manufacturing & Technology Since 1964



480-500W

Output power

21.1%

Maximum efficiency

0~+5W

Power tolerance

Better Performance

Lower Heat Loss of Internal- resistance

Better Reliability

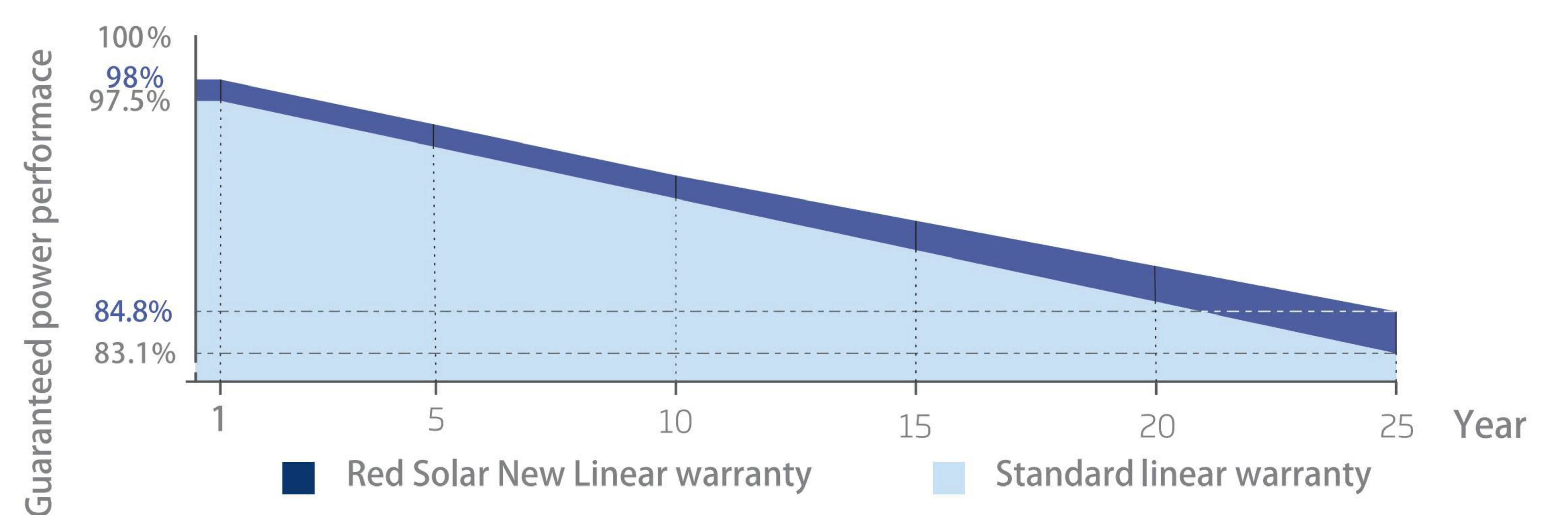
Reduce Shading & Risk of Micro Crack

Design for Harsh Environment

Resistant to Salt, Ammonia, Dust & Sand

Black design

Integrated with architectural style



M10 MBB Monocrystalline Black Half-cell Module

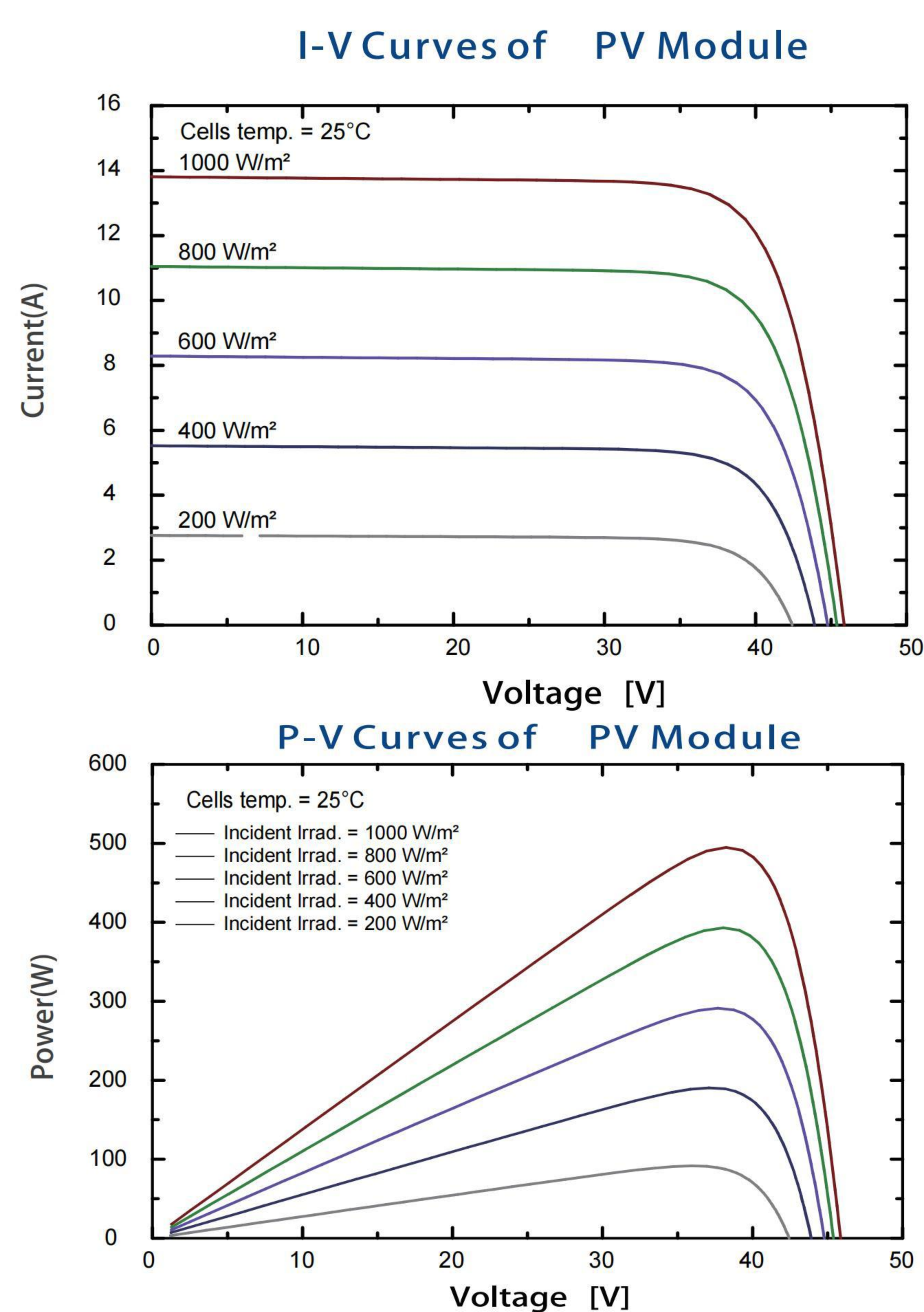


Electrical Parameter(STC)					
Model	480M	485M	490M	495M	500M
Maximum power	480	485	490	495	500
Working point voltage	37.85	37.98	38.16	38.31	38.43
Working point current	12.68	12.77	12.84	12.92	13.01
Open circuit voltage	44.95	45.10	45.25	45.40	45.55
Short circuit current	13.59	13.67	13.74	13.82	13.90
PV module efficiency	20.27%	20.48%	20.69%	20.90%	21.12%
Standard test conditions	AM1.5, Irradiance 1000w/m ² , Cell Temperature 25°C				

Electrical Parameter(NMOT)					
Model	480M	485M	490M	495M	500M
Maximum power	368.75	372.59	376.43	380.28	384.12
Working point voltage	34.32	34.48	34.68	34.87	35.03
Working point current	10.75	10.81	10.86	10.91	10.97
Open circuit voltage	41.66	41.90	42.12	42.35	42.45
Short circuit current	11.60	11.65	11.70	11.74	11.79

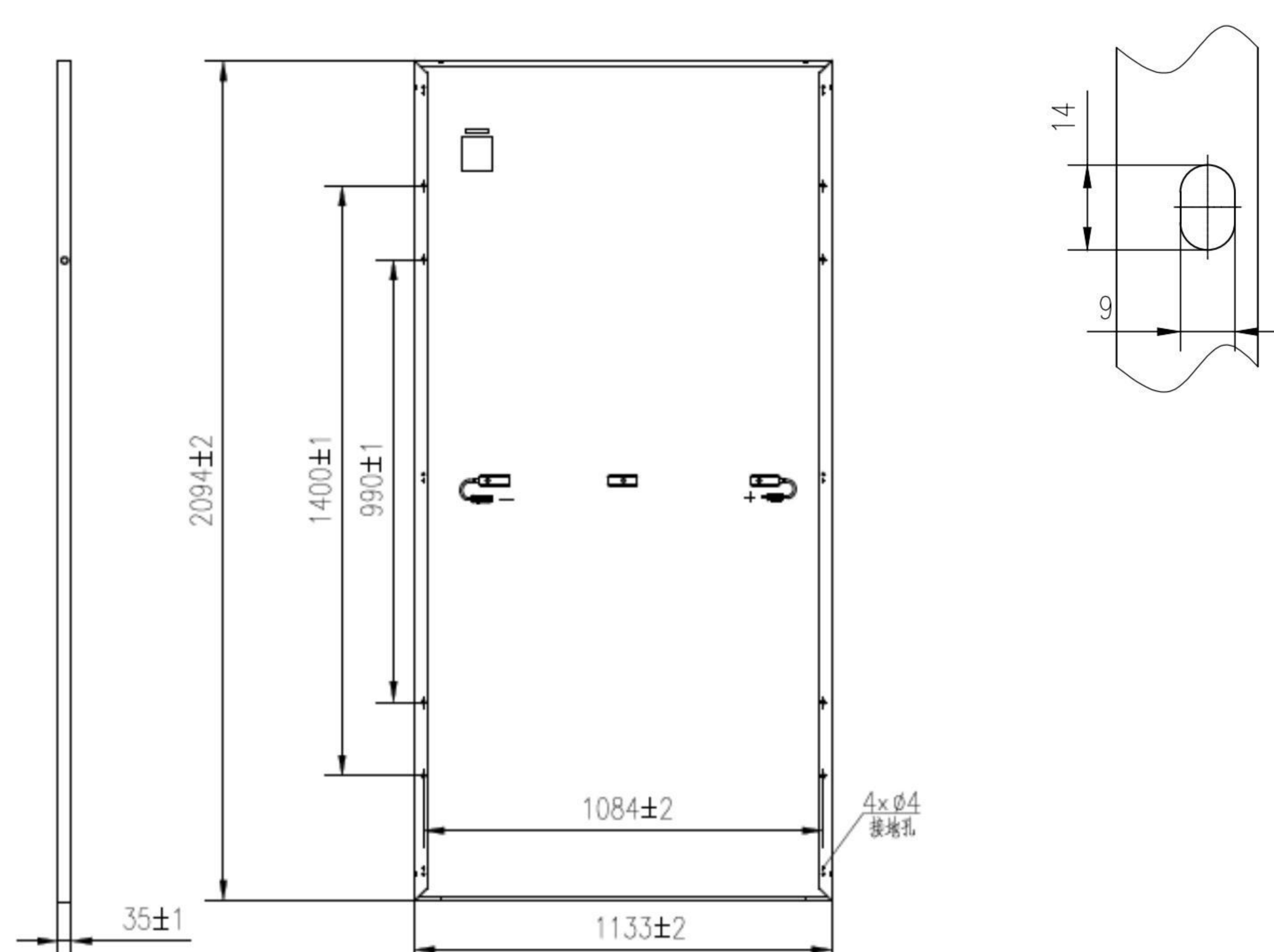
NMOT The irradiance is 800W/m², the ambient temperature is 20 degrees, and the wind speed is 1m/s

The Electrical performance parameters are neither just referred to one PV panel, nor are a part of the contract; They are only used as reference.



Model of PV Module Power Range
CETC-xxxM(H)/132 | 480-500W

PV Module Dimension



Mechanical Parameters

Module size	2094*1133*35mm
Number of solar cells	132(2*6*11)
Weight	25Kg ±5%
Junction Box	IP68, 3 diodes
Cables	4mm ² , 300mm, (Customizable)
Front plate glass	Ultra white AR coated toughened glass
Static load on the front	5400Pa
Static load on the back	2400Pa

Packaging & Transport

40'HQ container transport	31 Pcs/box × 22 box = 682 Pcs
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Temperature Parameter

NMOT	45±2°C
Pmax	-0.35%/°C
Voc	-0.28%/°C
Isc	+0.048%/°C

Maximum Ratings

Working temperature	-40~+85°C
Maximum system voltage	1500VDC
Maximum fuse rated current	25A

