

Ultra Light Mono Solar Module

12 years Product warranty 25 years Linear power warranty

Integrated Solar Manufacturing & Technology Since 1964



Sliver frame or black frame

390-410W /Output power

21.00% /Maximum efficiency

0~+5W /Power tolerance

Comprehensive product certification

- IEC 61215 IEC61730
- IEC TS 62804 (PID Resistant)
- IEC 62716 (Ammonia Corrosion)
- IEC 61701 (Salt Spray Corrosion)
- IEC TS 62941 (PV quality Management System)
- ISO9001:2015 (Quality Management System)
- ISO14001 (Environmental Management System)
- OHSAS18001 (Occupational Health and Safety Management System)



Better Performance

Lower Heat Loss of Internal- resistance.



Better Reliability

Reduce Shading & Risk of Micro Crack.



Ultra Light

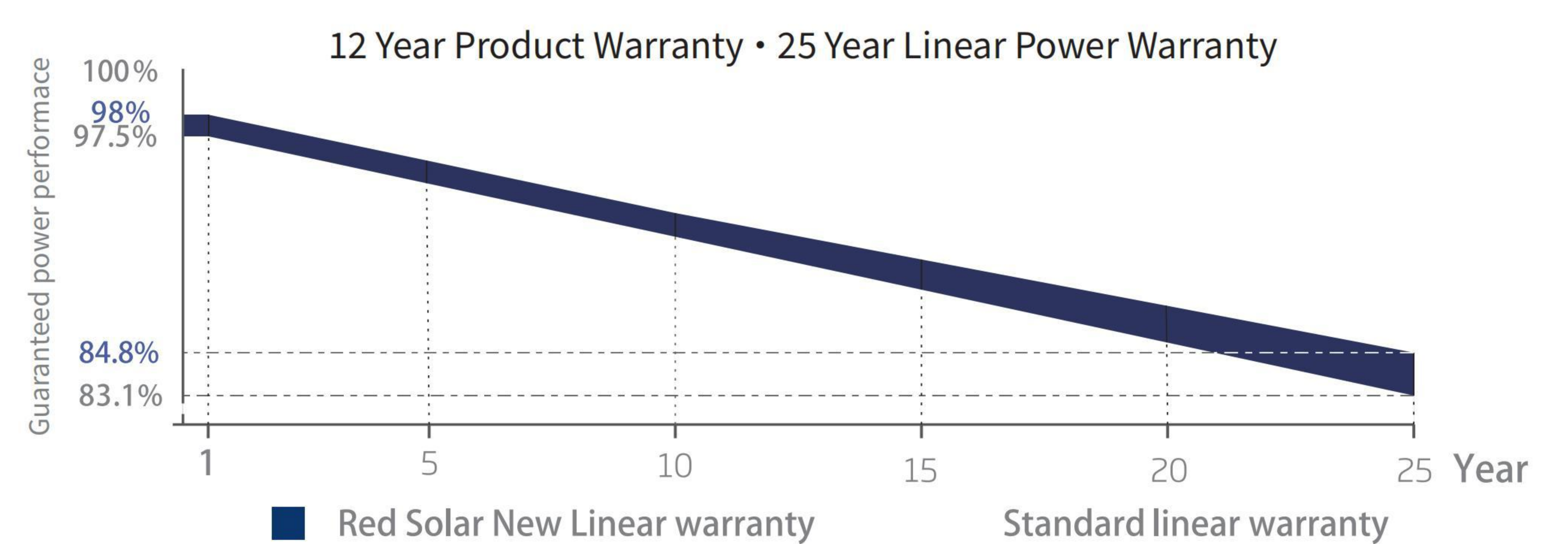
24% lighter than conventional moduel.



Sleek & Stunning Looking

Powered by Semicore® SignatureBlack™ Technology

Excellent Power Guarantee



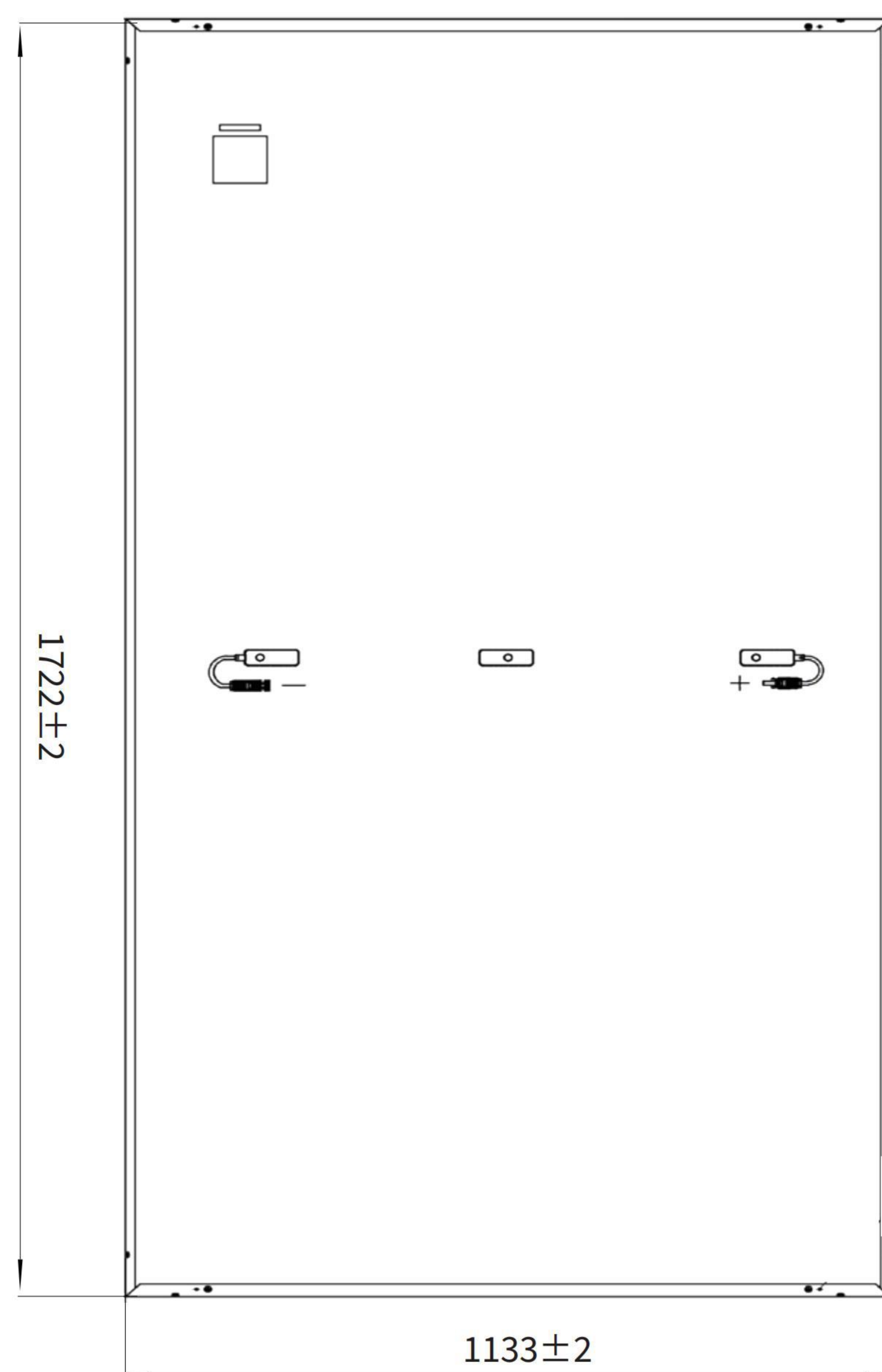
Model of PV Module

CETC-xxxM(L)/108

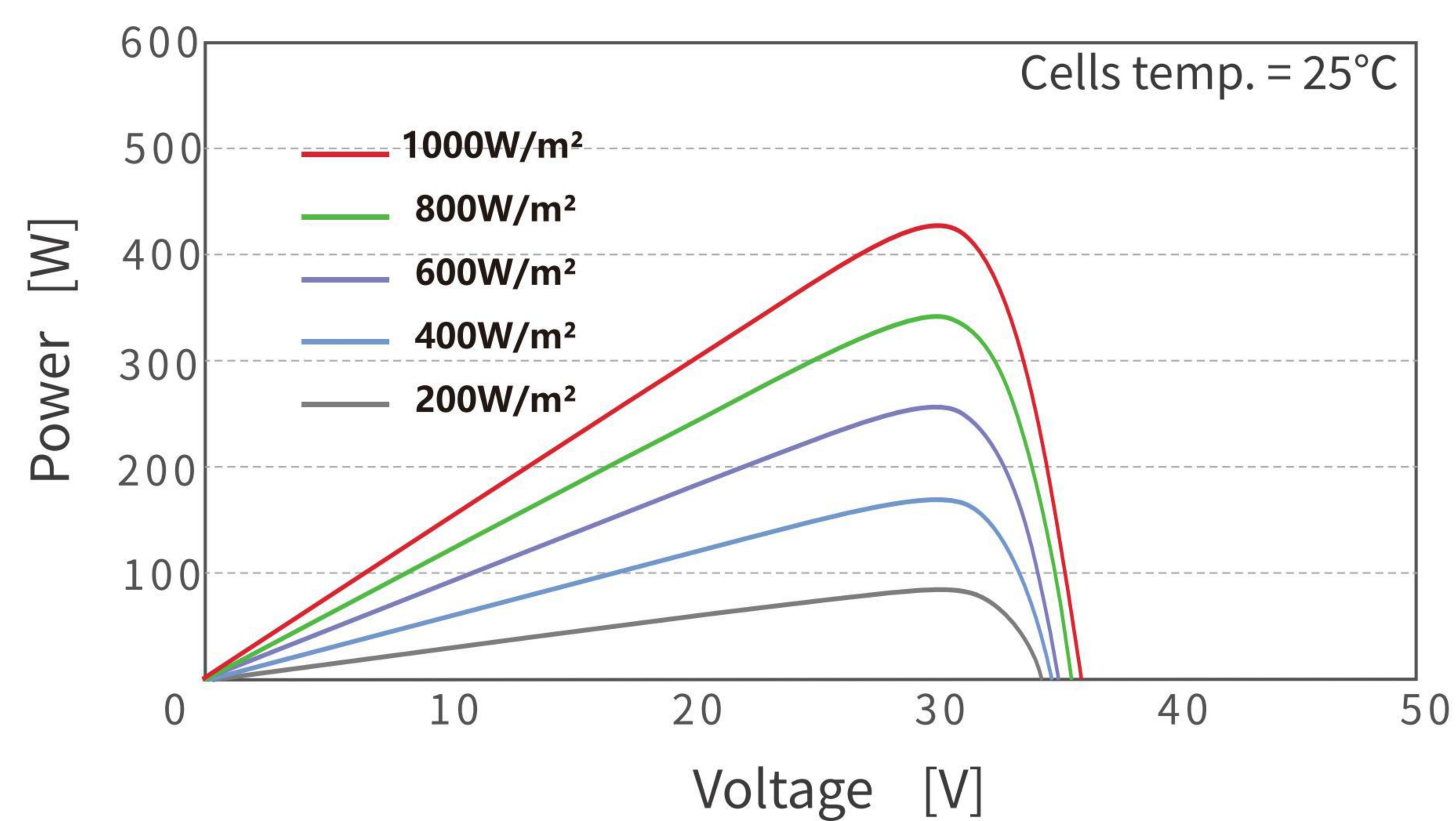
Power Range

390-410W

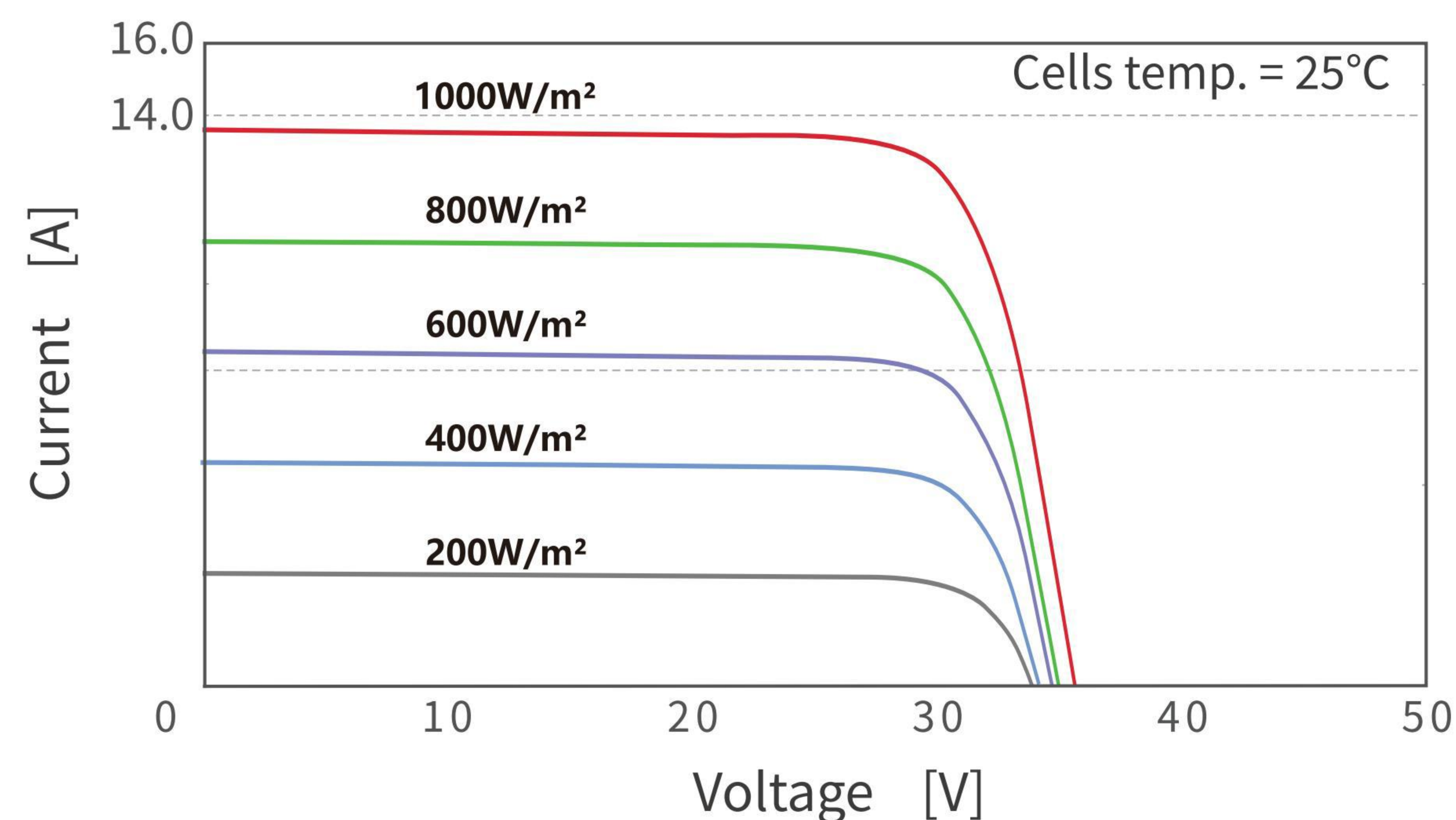
PV module dimensions (mm)



P-V Curves of PV Module



I-V Curves of PV Module



Electrical Parameter(STC)

Model	390M	395M	400M	405M	410M
Maximum power (W)	390	395	400	405	410
Working point voltage (V)	30.50	30.60	30.90	31.20	31.50
Working point current (A)	12.87	12.99	13.01	13.06	13.07
Open circuit voltage (V)	36.66	36.75	36.84	36.93	37.02
Short circuit current (A)	13.65	13.71	13.77	13.84	13.91
PV module efficiency	20.0%	20.20%	20.50%	20.80%	21.00%
Standard test conditions	AM1.5, Irradiance 1000w/m ² , Cell Temperature 25°C				

Electrical Parameter(NOCT)

Model	390M	395M	400M	405M	410M
Maximum power (W)	285	288	292	296	300
Working point voltage (V)	27.20	27.40	27.60	27.80	28.10
Working point current (A)	10.48	10.52	10.58	10.64	10.69
Open circuit voltage (V)	34.60	34.70	34.80	35.10	35.50
Short circuit current (A)	11.03	11.08	11.13	11.19	11.24

NMOT The irradiance is 800W/m, 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.

Mechanical Parameters

Module size	1722*1133*30mm
Number of solar cells	108Cells (2*6*9)
Weight	16Kg ±5%
Junction Box	IP68, 3 diodes
Cables	4mm ² , 300mm, (Customizable)
Front plate glass	Ultra white AR coated semi-toughened glass
Static load on the front	3600Pa
Static load on the back	1600Pa

Packaging&Transport

40'HQ container transport 36 Pcs/box × 26 box = 936 Pcs

Temperature Parameter Maximum Ratings

NMOT	45±2°C	Working temperature	-40~+85°C
Temperature coefficient of maximum power(Pmax)	-0.35%/°C	Maximum system voltage	1500VDC
Temperature coefficient of open circuit voltage(Voc)	-0.28%/°C	Maximum fuse rated current	25A
Temperature coefficient of short circuit current(Isc)	+0.05%/°C		

