

Monocrystalline Half-cell Module

120 Half Cells

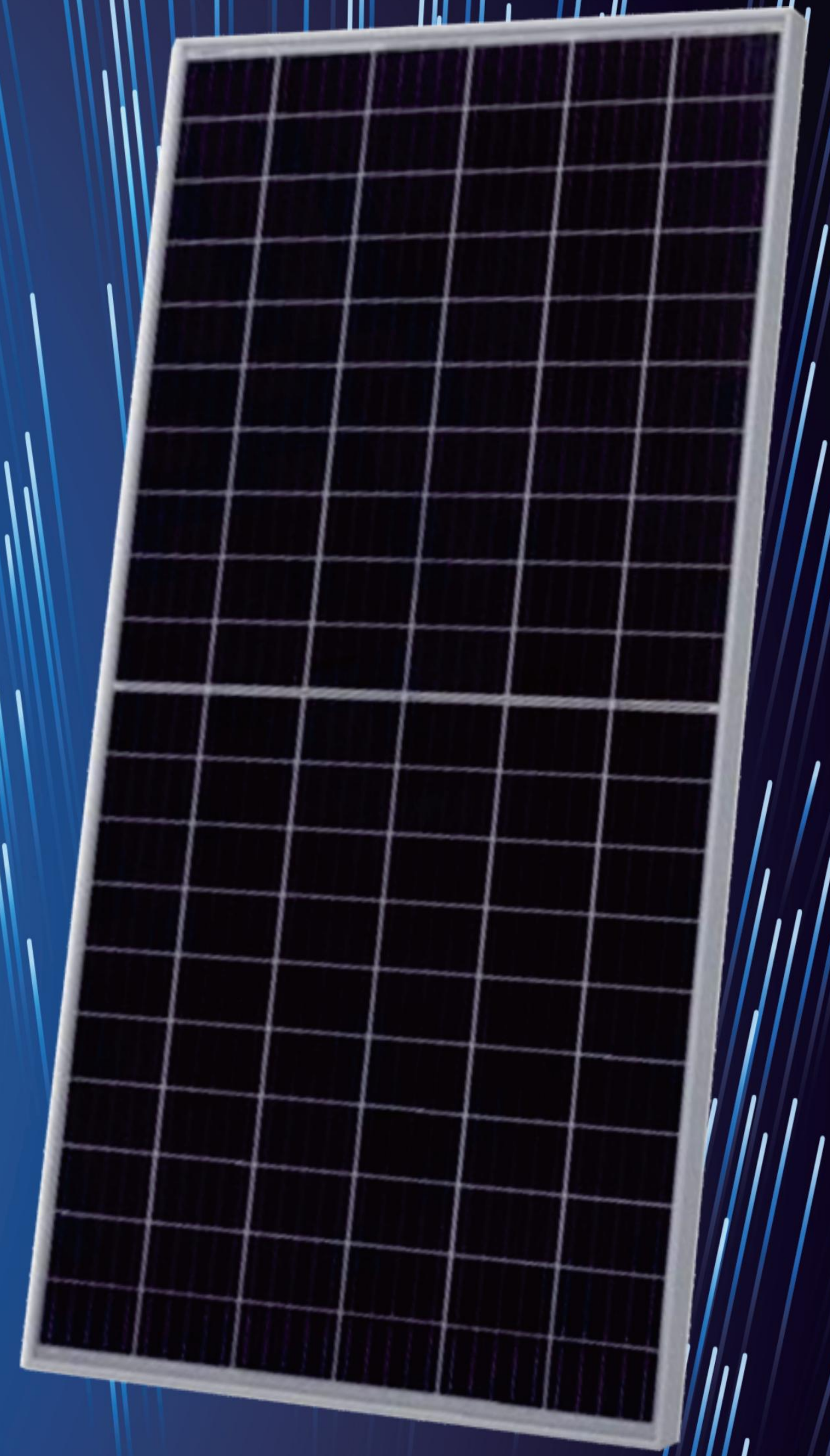


12 years Product warranty



25 years Linear power warranty

Integrated Solar Manufacturing & Technology Since 1964



325-345W /Output power

20.25% /Maximum efficiency

0~+5W /Power tolerance

Comprehensive product certification

- IEC TS 62941 (PV quality Management System)
- ISO9001:2015 (Quality Management System)
- ISO14001 (Environmental Management System)
- OHSAS18001 (Occupational Health and Safety Management System)



PID Resistant Guarantee

Strict selection of encapsulation materials eliminates PID risk.



Severe Weather Resilience

Verified by TUV NORD test, Passed IEC 61701 salt spray corrosion(grade 6), IEC62716 ammonia corrosion test certification.



Hot-spot Resistance

Lower internal current and power to effectively reduce hot-spot heating.

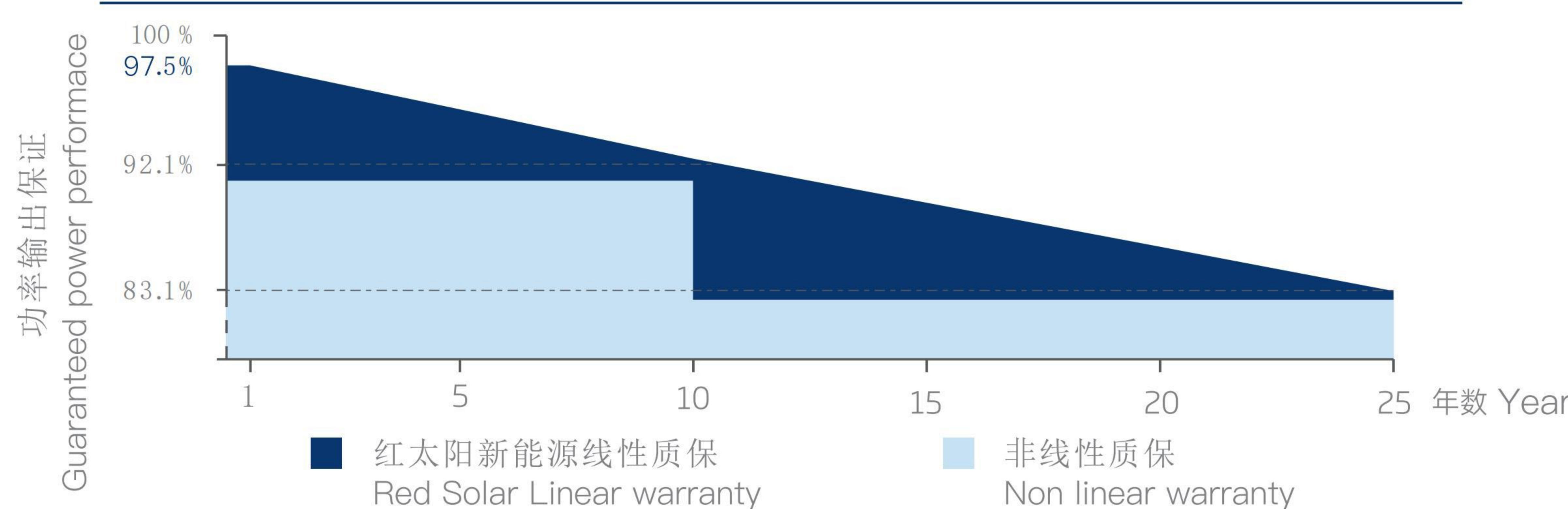


Technical Superposition

Can integrate a variety of high efficiency new technology of solar cell, superposition technology gain.

Excellent Power Guarantee

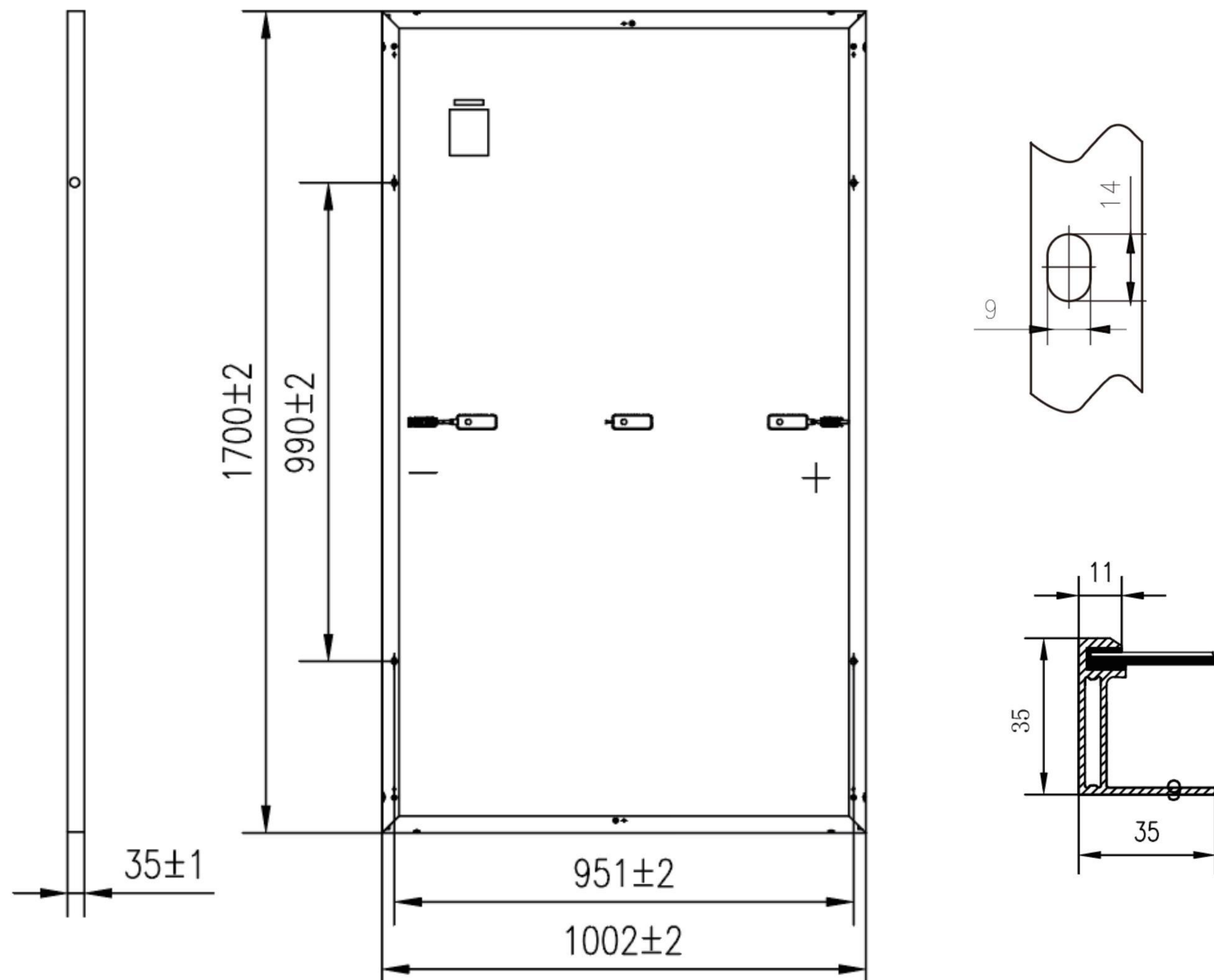
12 Year Product Warranty • 25 Year Linear Power Warranty



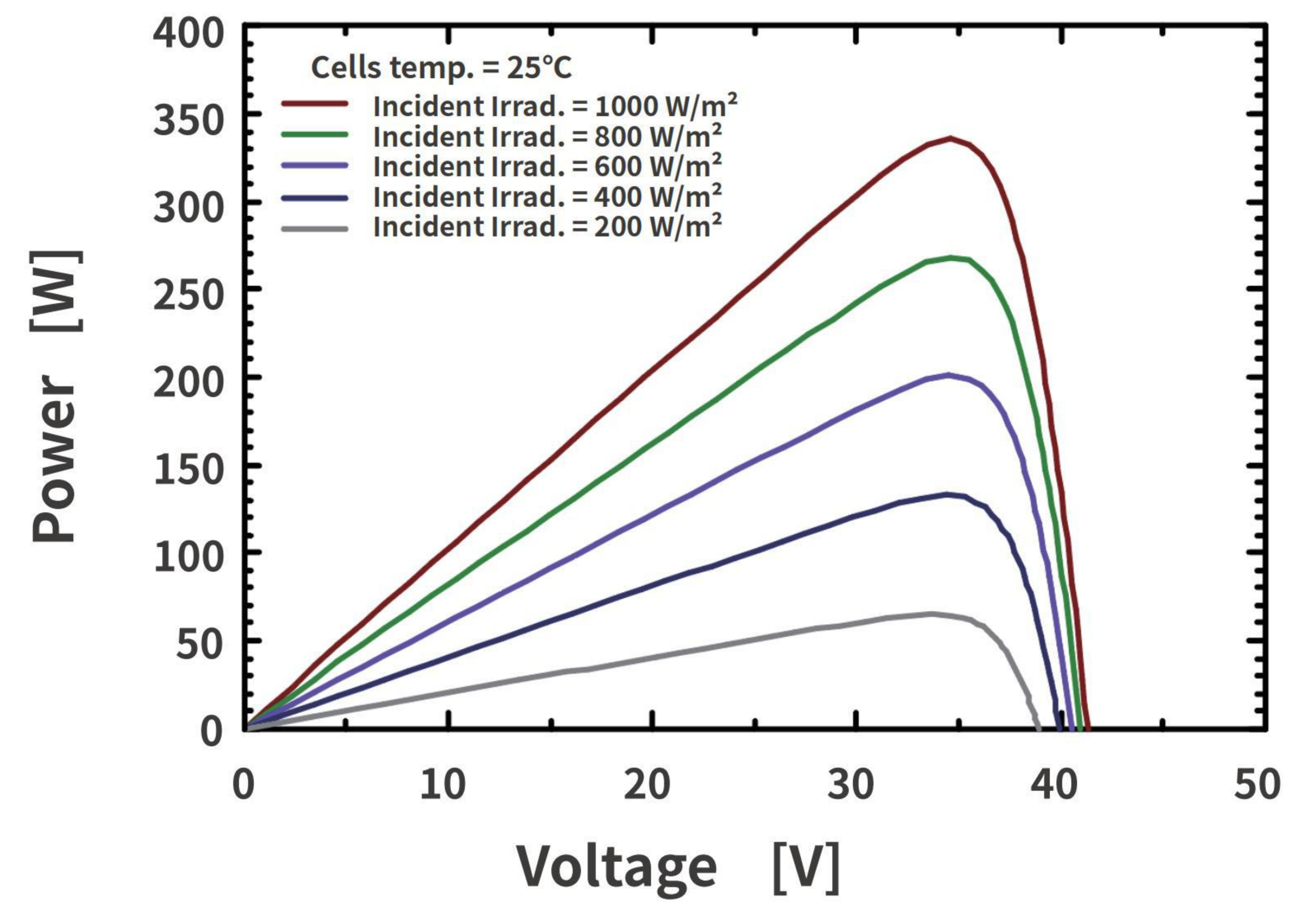
Model of PV Module
CETC-xxxM/120

Power Range
325-345W

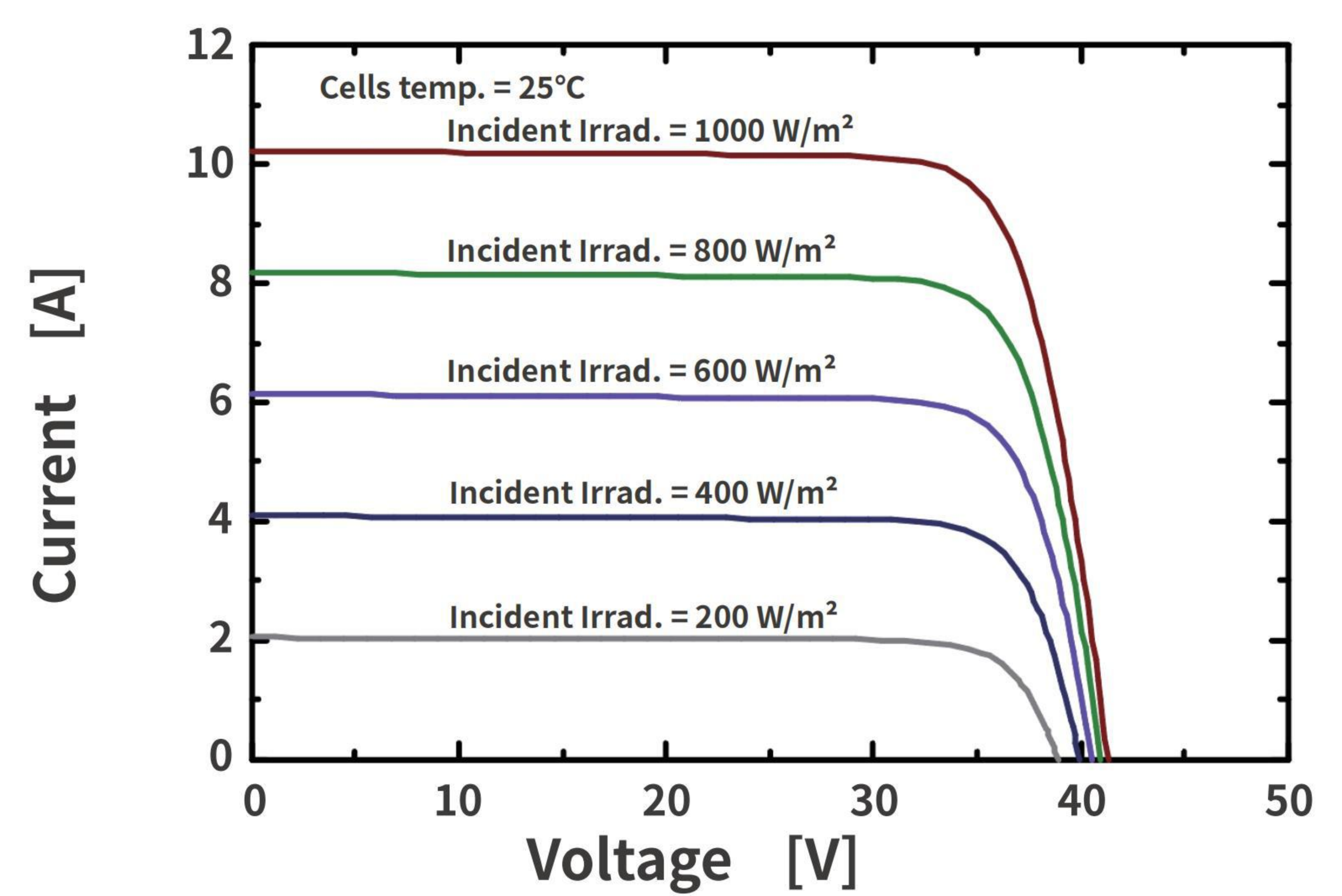
PV module dimensions (mm)



P-V Curves of PV Module



I-V Curves of PV Module



Electrical Parameter(STC)

Model	325M	330M	335M	340M	345M
Maximum power (W)	325	330	335	340	345
Working point voltage (V)	33.90	34.20	34.45	34.72	34.99
Working point current (A)	9.59	9.66	9.74	9.81	9.86
Open circuit voltage (V)	40.70	41.00	41.30	41.60	41.90
Short circuit current (A)	10.08	10.16	10.23	10.30	10.37
PV module efficiency	19.08%	19.37%	19.67%	19.96%	20.25%
Standard test conditions	Atmospheric quality Am1.5, Irradiance 1000w/m², Cell Temperature 25°C				

Model	325M	330M	335M	340M	345M
Maximum power (W)	241.2	244.6	248.5	252.4	254.7
Working point voltage (V)	31.40	31.60	31.90	32.20	32.40
Working point current (A)	7.68	7.74	7.79	7.84	7.86
Open circuit voltage (V)	37.80	38.00	38.30	38.50	38.60
Short circuit current (A)	8.14	8.21	8.26	8.32	8.38

NOCT conditions The irradiance is 800w/m², the ambient temperature is 20 degrees, and the wind speed is 1m/s

Mechanical Parameters

Module size	1700*1002*35mm
Number of solar cells	120Cells (2*6*10)
Weight	19Kg ±5%
Junction Box	IP67, MC4
Cables	4mm², 300mm, (Customizable)
Front plate	3.2mm, Ultra white&Minus reflection film toughened glass
Static load on the front	5400Pa
Static load on the back	2400Pa

Packaging&Transport

40'HQ container transport	31 Pcs/box × 26 box = 806 Pcs
17.5m truck transport	32 Pcs/box × 40 box = 1280 Pcs

Temperature Parameter

NMOT	45±2°C
Temperature coefficient of maximum power(Pmax)	-0.35%/°C
Temperature coefficient of open circuit voltage(Voc)	-0.30%/°C
Temperature coefficient of short circuit current(Isc)	+0.05%/°C

Maximum Ratings

Working temperature	-40~+85°C
Maximum system voltage	1000/1500VDC
Maximum fuse rated current	15A

