

G12 MBB Mono Bifacial Module



132 Half Cells

Sliver frame or black frame

12 Years Product warranty

30 Years Linear power warranty

Integrated Solar Manufacturing & Technology Since 1964

645-665W

Output power

21.4%

Maximum efficiency

0~+5W

Power tolerance

Better Performance

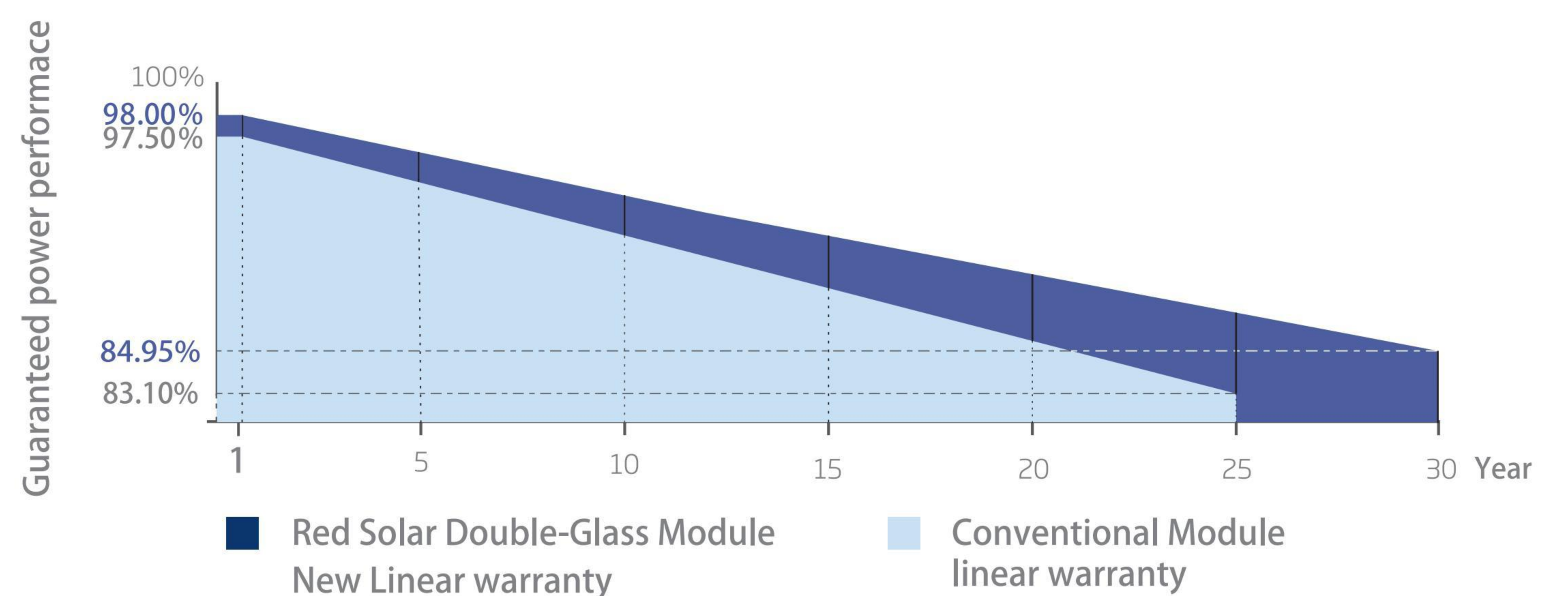
Lower Heat Loss of Internal- resistance

Better Reliability

Reduce Shading & Risk of Micro Crack

Design for Harsh Environment

Resistant to Salt, Ammonia, Dust & Sand



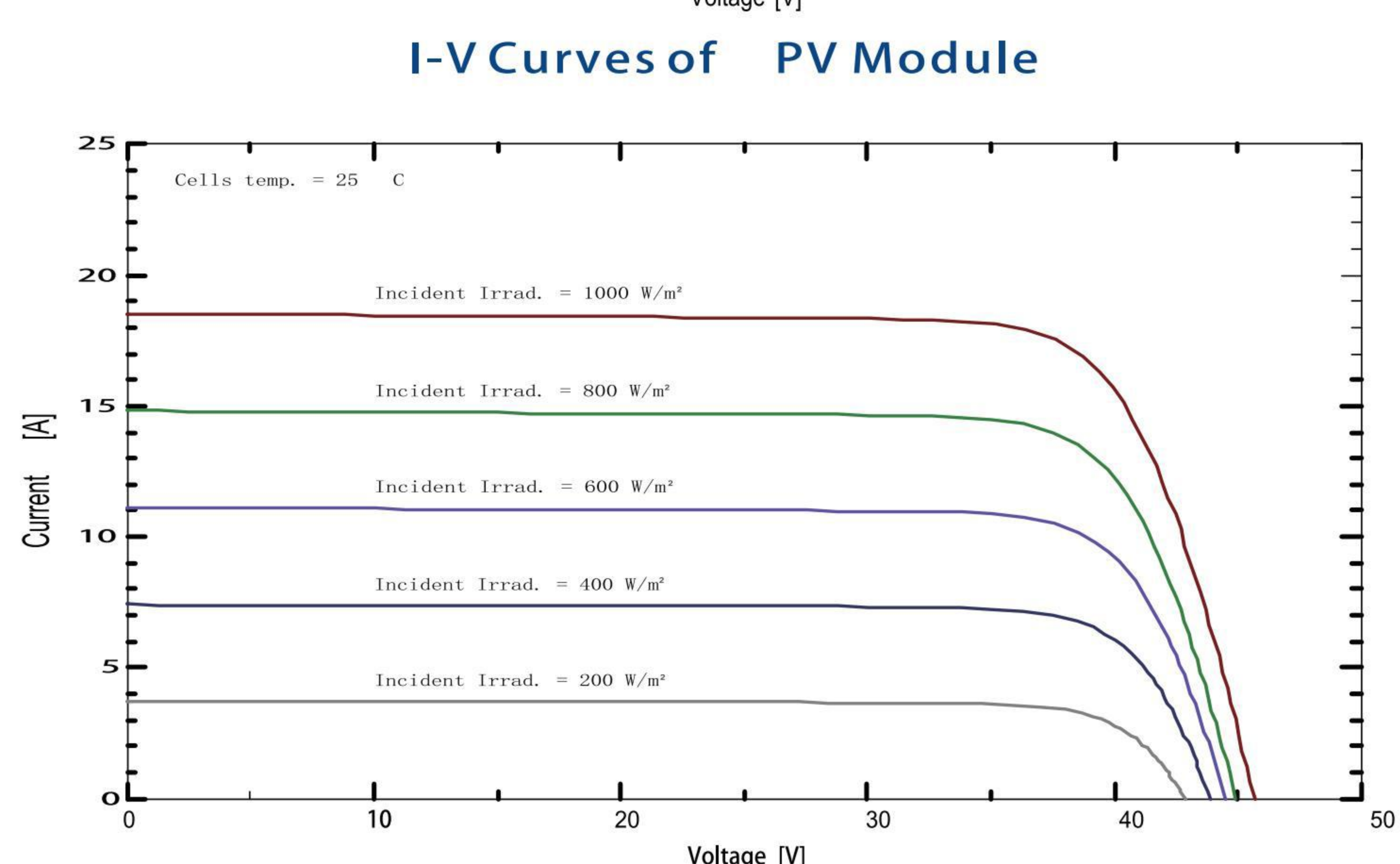
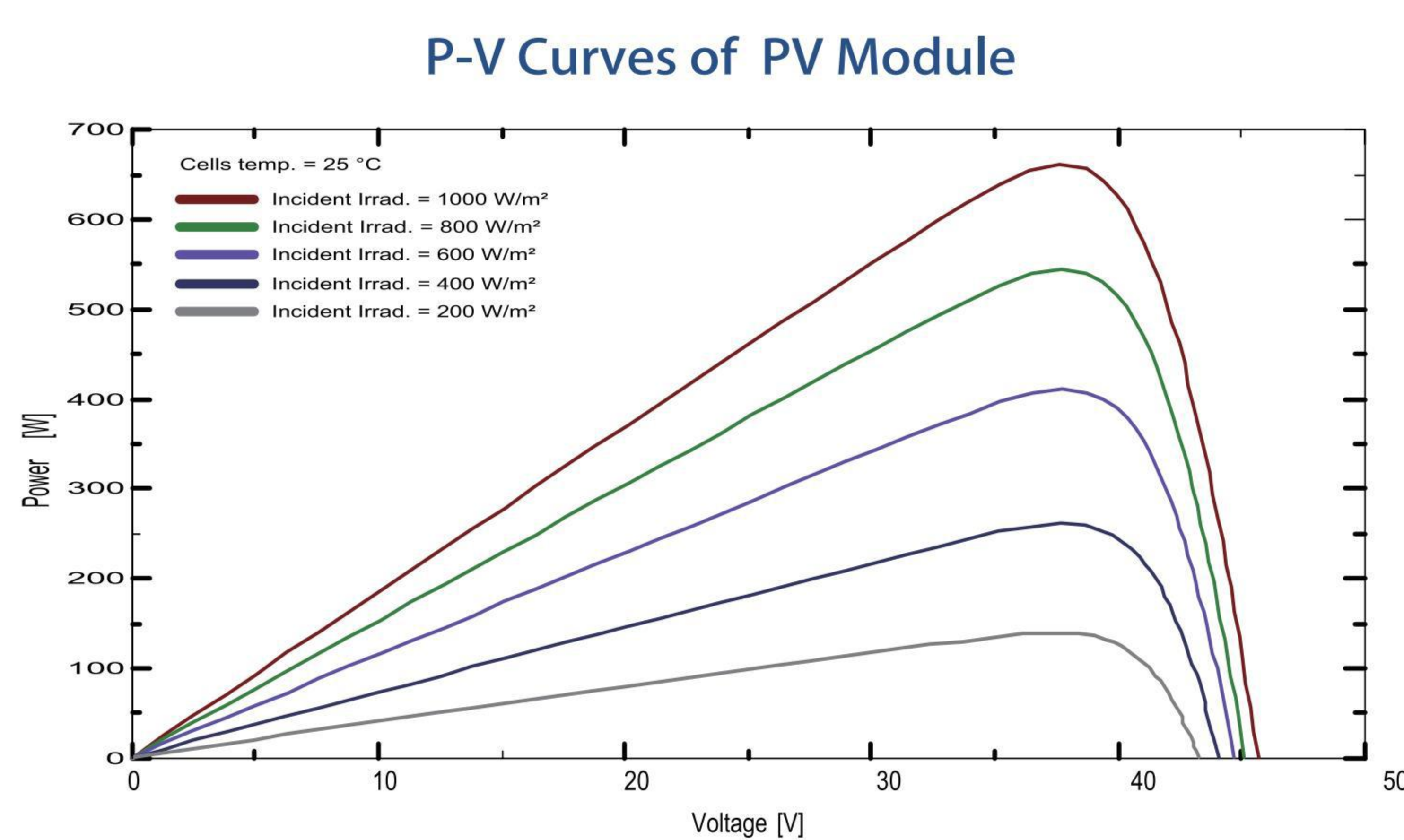
G12 MBB Monocrystalline Bifacial Half-cell Module



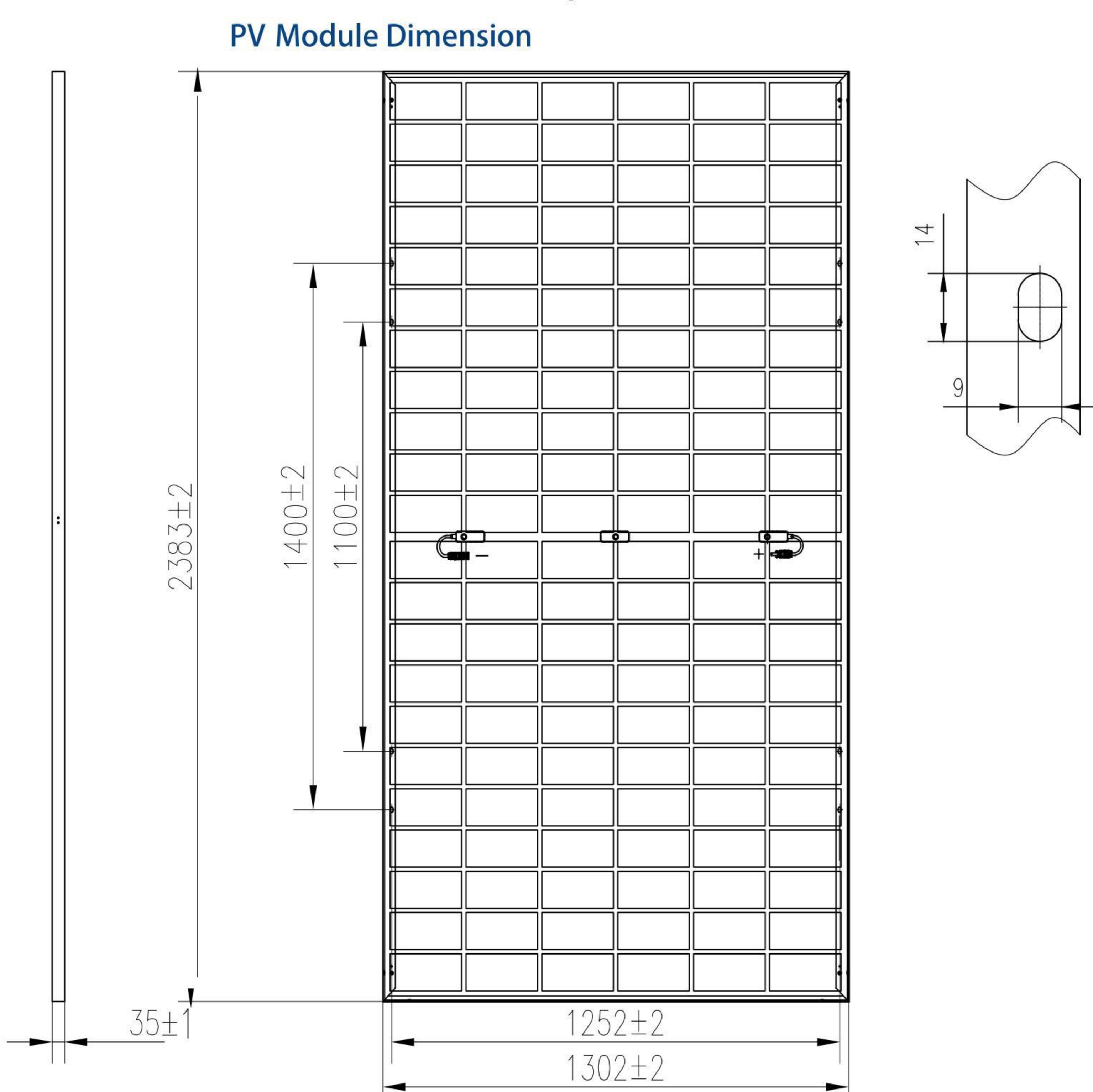
Front Electrical Parameter(STC)					
Model	645M	650M	655M	660M	665M
Maximum power	645	650	655	660	665
Working point voltage	37.26	37.44	37.62	37.80	37.98
Working point current	17.31	17.36	17.41	17.46	17.51
Open circuit voltage	45.74	45.94	46.16	46.36	46.54
Short circuit current	18.22	18.27	18.32	18.37	18.42
PV module efficiency	20.79%	20.95%	21.11%	21.27%	21.43%
Standard test conditions	AM1.5, Irradiance 1000w/m ² , Cell Temperature 25°C				

RearSide Power gain						
5%	Maximum Power	677.3Wp	682.5Wp	687.8Wp	693.0Wp	698.2Wp
	Efficiency STC	21.84%	22.01%	22.18%	22.35%	22.51%
15%	Maximum Power	741.8Wp	747.5Wp	753.3Wp	759.0Wp	764.0Wp
	Efficiency STC	23.92%	24.10%	24.29%	24.47%	24.65%
25%	Maximum Power	806.3Wp	812.5Wp	818.8Wp	825.0Wp	831.0Wp
	Efficiency STC	26.00%	26.20%	26.40%	26.60%	26.80%

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(GDF)/132 | 645-665W



Mechanical Parameters

Module size	2383*1302*35mm
Number of solar cells	132(2*6*11)
Weight	37.9Kg ±5%
Junction Box	IP68, 3 diodes
Cables	4mm ² ,300mm, (Customizable)
Front plate glass	Ultra white AR coated semi-toughened glass
Rear plate glass	semi-toughened glass
Static load on the front	5400Pa
Static load on the back	2400Pa

Packaging&Transport

40'HQ container transport	31 Pcs/box × 18 box = 558 Pcs
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Temperature Parameter

NMOT	45±2°C
Pmax	-0.34%/°C
Voc	-0.25%/°C
Isc	+0.04%/°C

Maximum Ratings

Working temperature	-40~+85°C
Maximum system voltage	1500VDC
Maximum fuse rated current	35A

