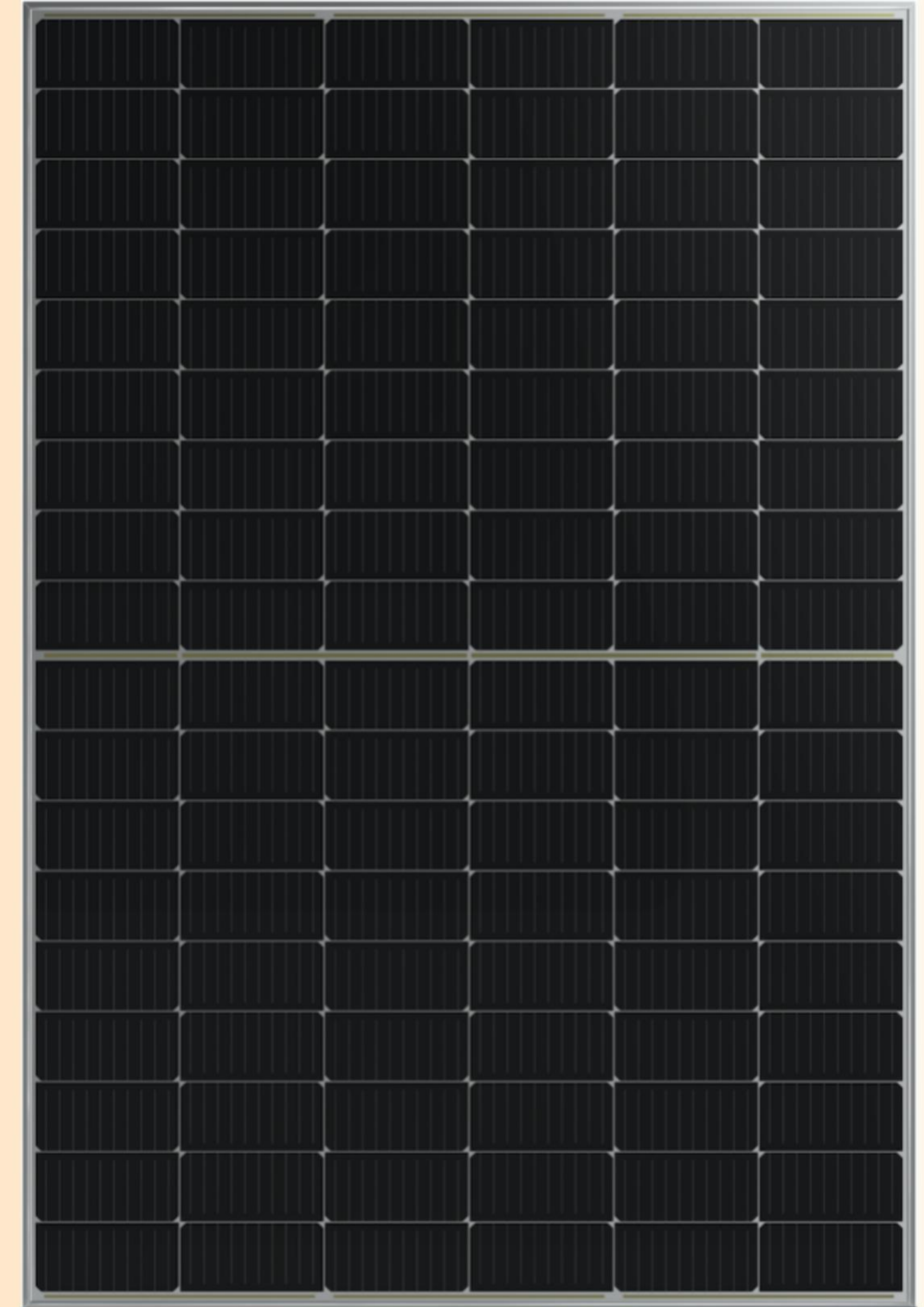


REDSOLAR

M10 MBB Mono Bifacial Module

108 Half Cells

Sliver frame or black frame



12 Years Product warranty

30 Years Linear power warranty

Integrated Solar Manufacturing & Technology Since 1964

390-410W

Output power

21.0%

Maximum efficiency

0~+5W

Power tolerance

Better Performance

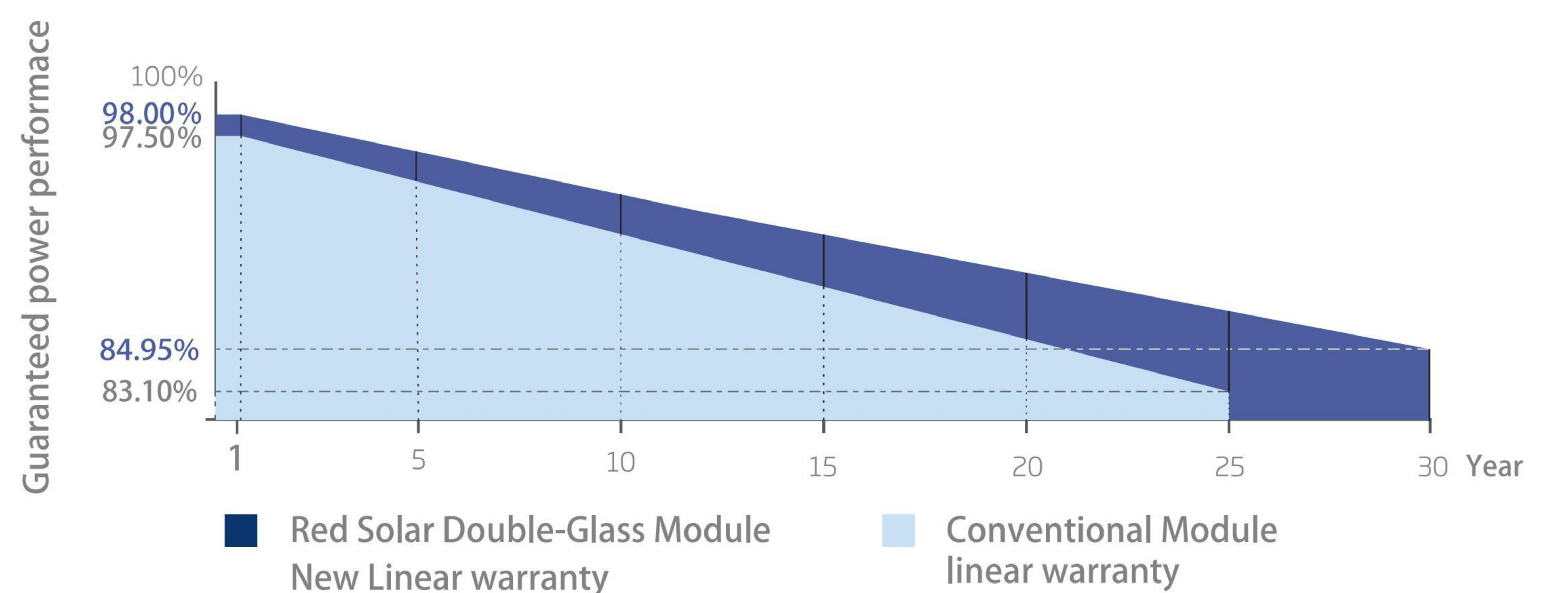
Better Light Trapping & Lower Series Resistance

Better Reliability

Reduce Shading & Risk of Micro Crack

Sleek & Stunning Looking

Powered by Semicore® SignatureBlack™ Technology

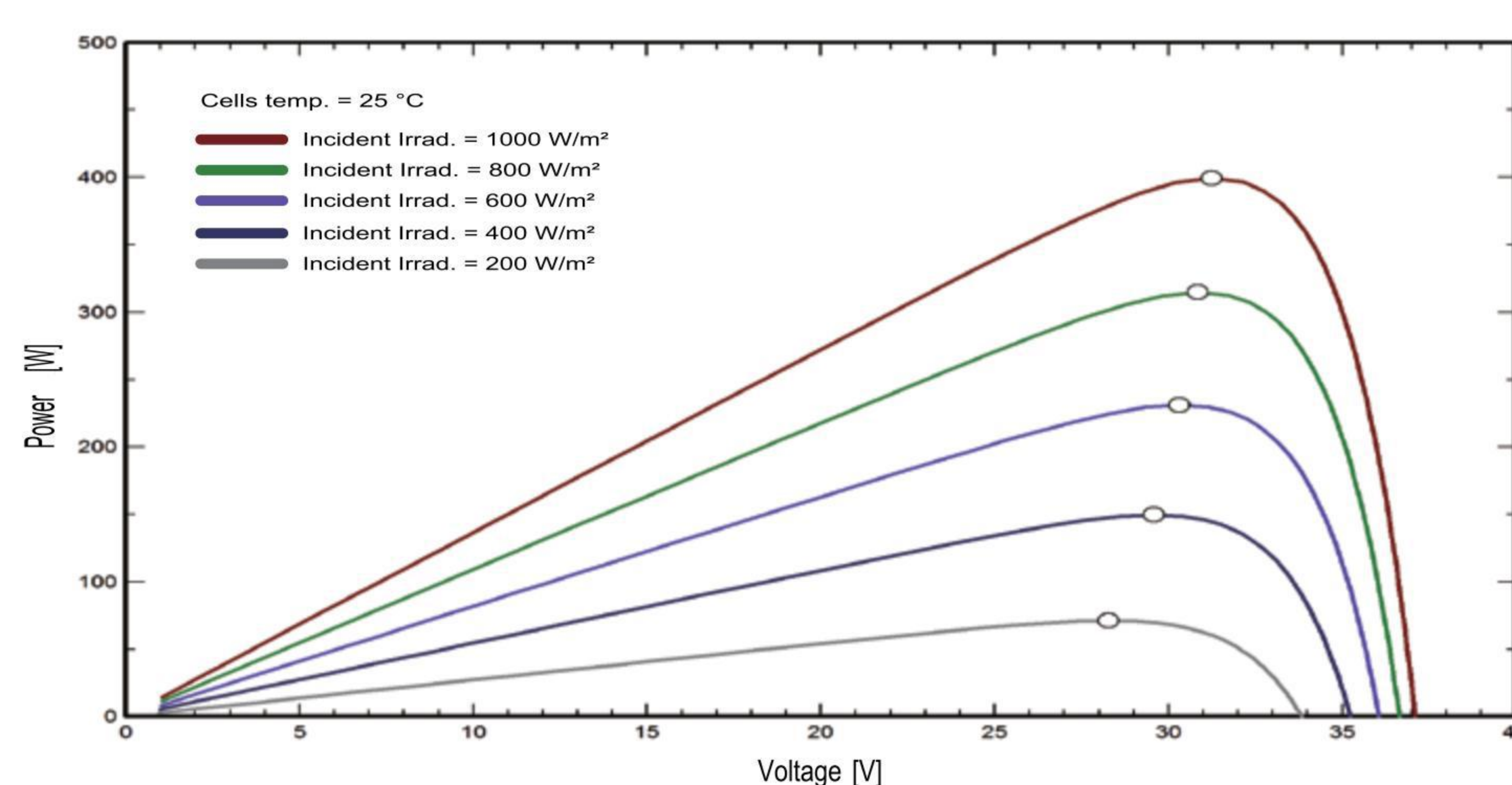


| Front Electrical Parameter(STC) | | | | | |
|---------------------------------|--|-------|-------|-------|-------|
| Model | 390M | 395M | 400M | 405M | 410M |
| Maximum power | 390 | 395 | 400 | 405 | 410 |
| Working point voltage | 30.5 | 30.6 | 30.9 | 31.2 | 31.2 |
| Working point current | 12.77 | 12.89 | 12.91 | 12.96 | 12.96 |
| Open circuit voltage | 36.64 | 36.73 | 37.81 | 37.88 | 37.95 |
| Short circuit current | 13.64 | 13.70 | 13.76 | 13.83 | 13.90 |
| PV module efficiency | 20.0% | 20.2% | 20.5% | 20.7% | 21.0% |
| Standard test conditions | AM1.5, Irradiance 1000w/m ² , Cell Temperature 25°C | | | | |

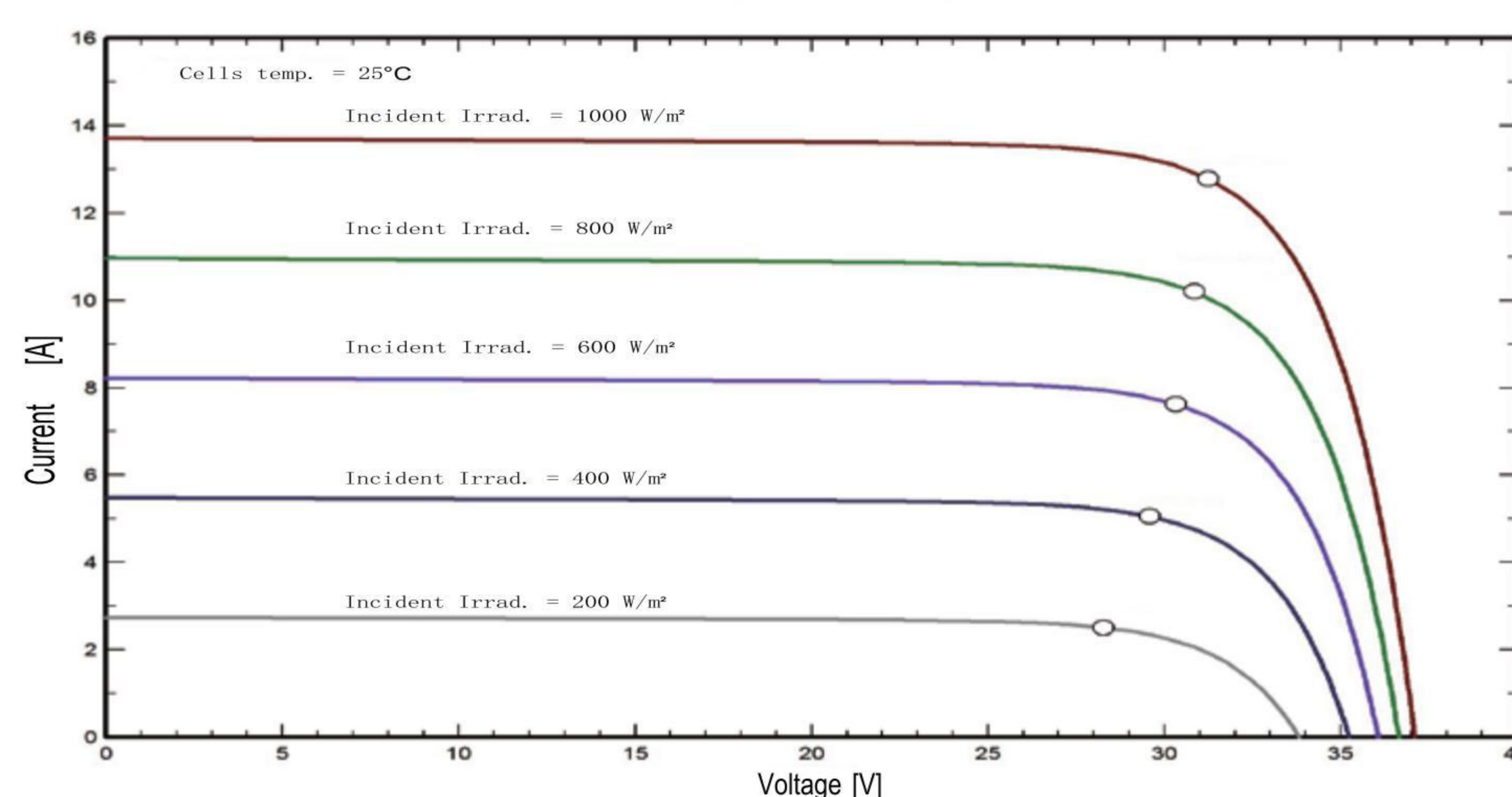
| RearSide Power gain | | | | | | |
|---------------------|----------------|-------|-------|-------|-------|-------|
| 5% | Maximum Power | 410Wp | 415Wp | 420Wp | 425Wp | 430Wp |
| | Efficiency STC | 21.1% | 21.4% | 21.7% | 22.0% | 22.1% |
| 15% | Maximum Power | 445Wp | 450Wp | 460Wp | 465Wp | 472Wp |
| | Efficiency STC | 23.2% | 23.5% | 23.8% | 24.0% | 24.2% |
| 25% | Maximum Power | 485Wp | 490Wp | 500Wp | 505Wp | 512Wp |
| | Efficiency STC | 25.2% | 25.5% | 25.8% | 26.1% | 26.3% |

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.

P-V Curves of PV Module

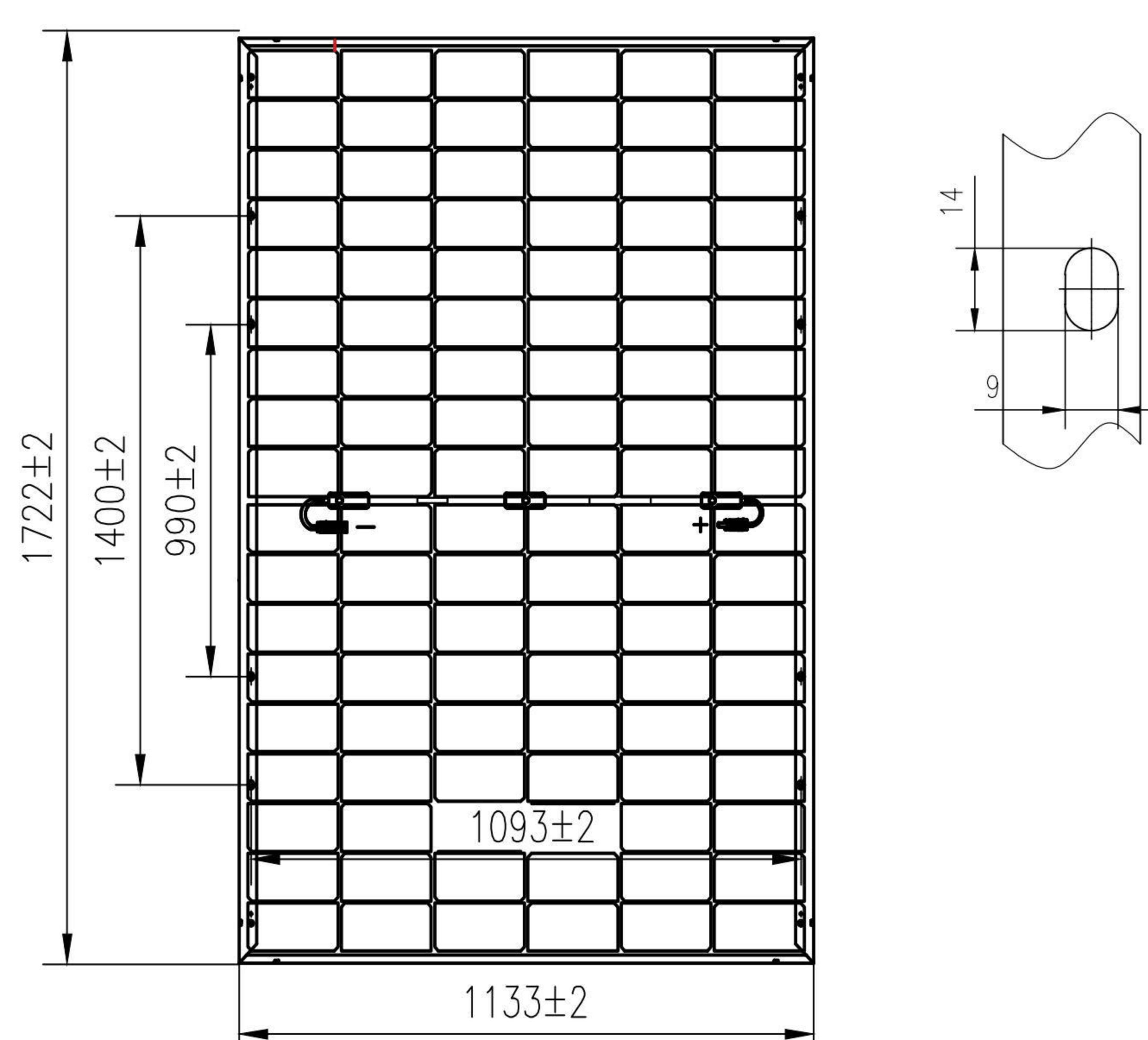


I-V Curves of PV Module



Model of PV Module Power Range
CETC-xxxM(GDF)/108 | 390 - 410 W

PV Module Dimension



Mechanical Parameters

| | |
|--------------------------|--|
| Module size | 1722*1133*30mm |
| Number of solar cells | 108(2*6*9) |
| Weight | 25Kg ±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 36 Pcs/box × 26 box =936 Pcs

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 | 30A |

