

REDSOLAR

M10 MBB Mono Bifacial Module

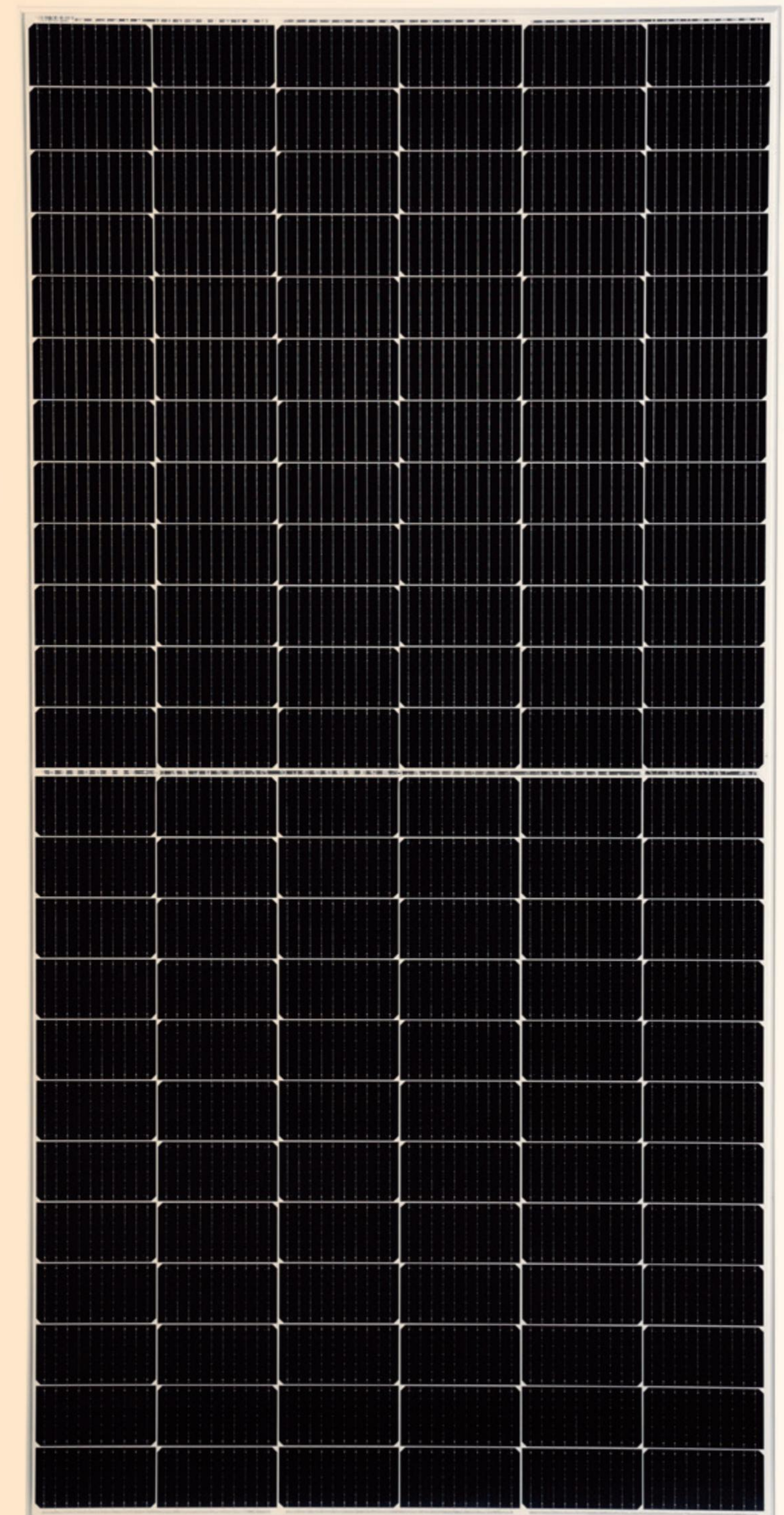
144 Half Cells

Sliver frame or black frame

12 Years Product warranty

30 Years Linear power warranty

Integrated Solar Manufacturing & Technology Since 1964



535-555W

Output power

21.5%

Maximum efficiency

0~+5W

Power tolerance

Better Performance

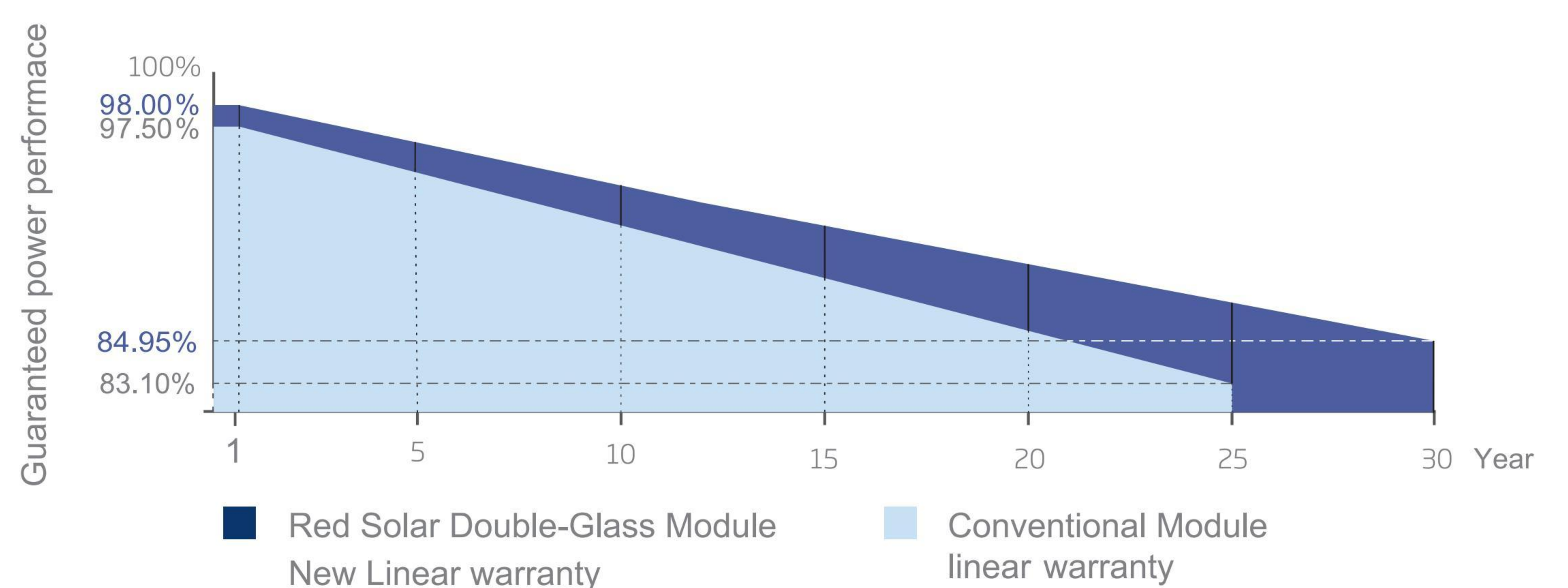
Lower Heat Loss of Internal- resistance

Better Reliability

Reduce Shading & Risk of Micro Crack

Design for Harsh Environment

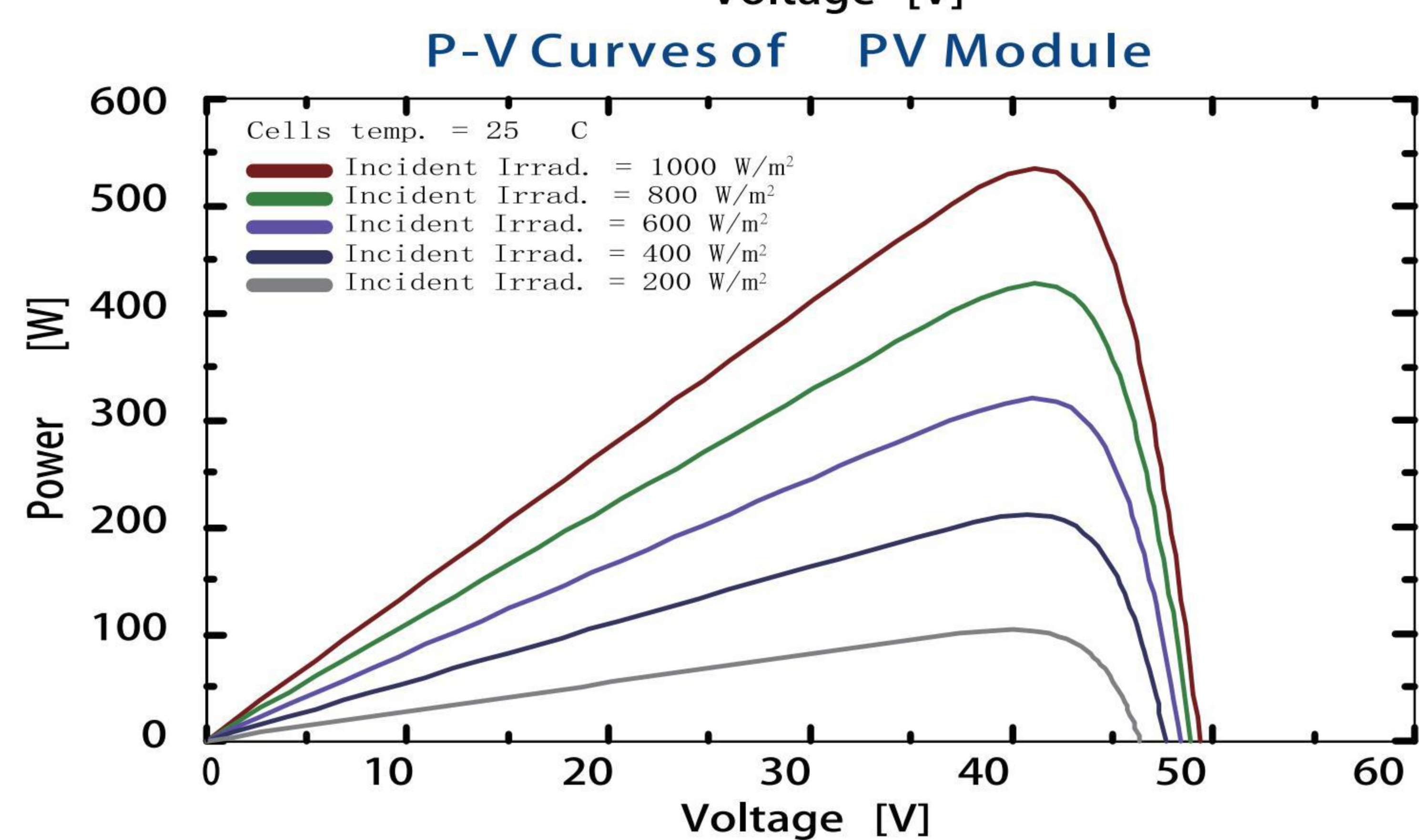
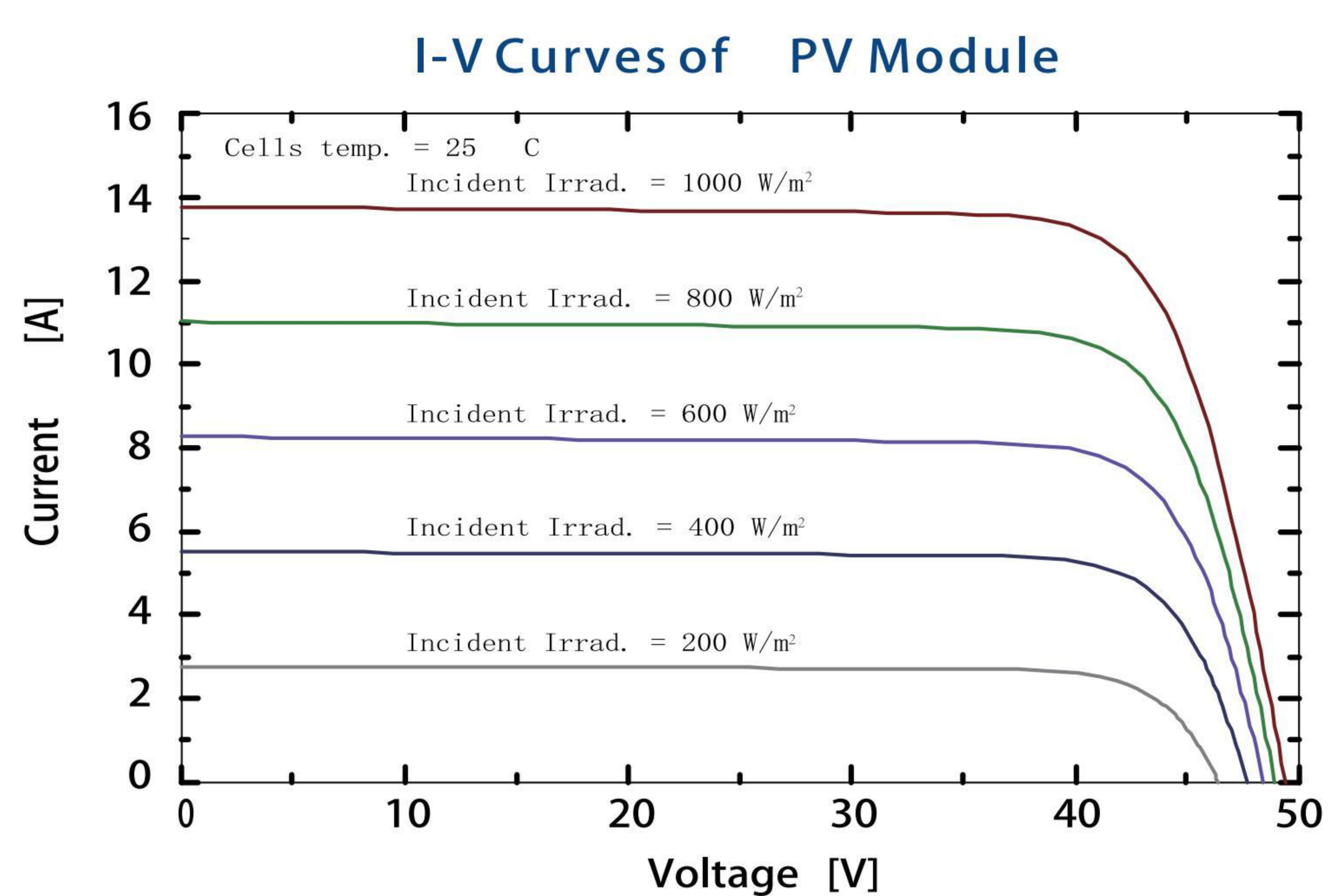
Resistant to Salt, Ammonia, Dust & Sand



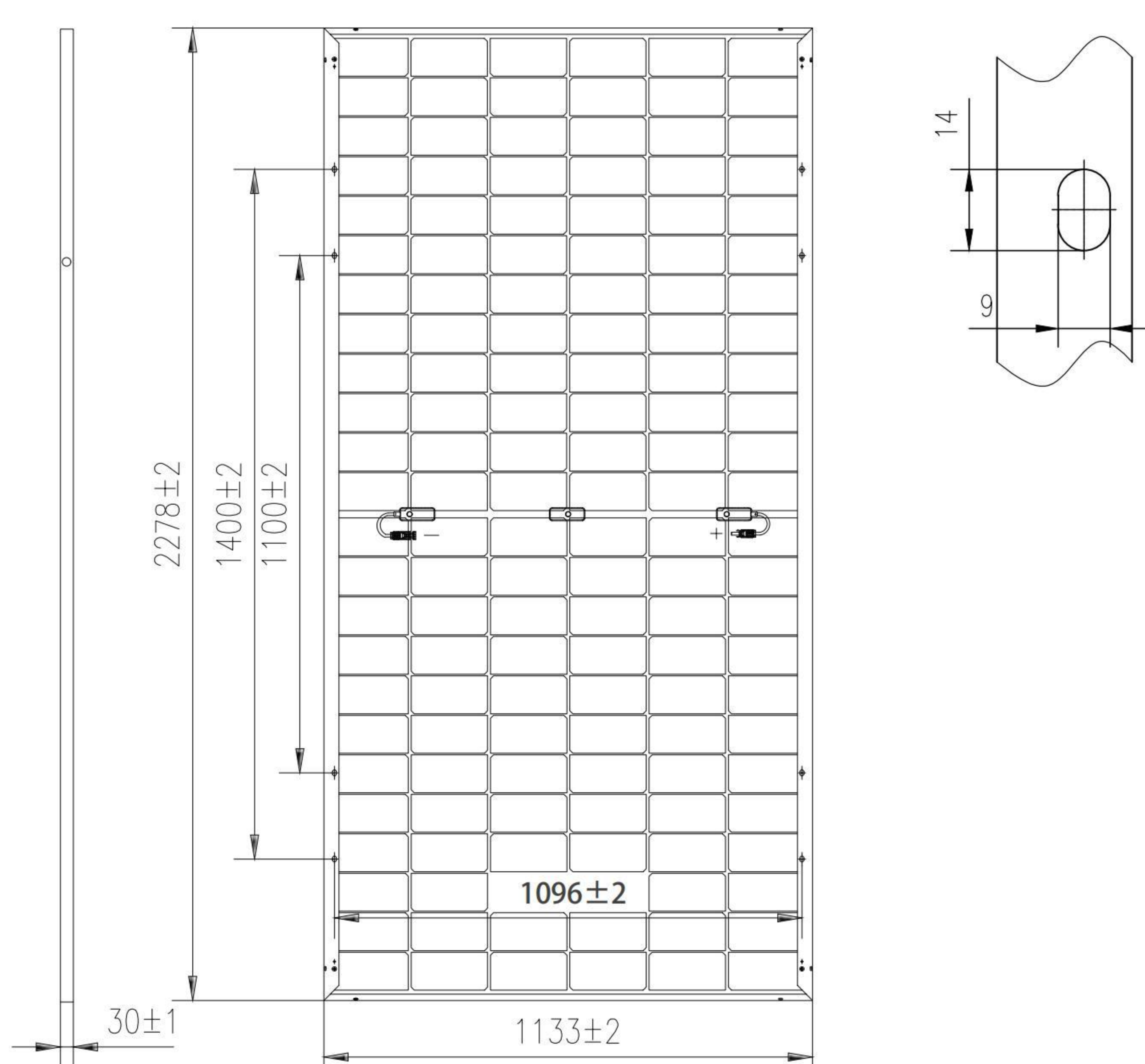
| Front Electrical Parameter(STC) | | | | | |
|---------------------------------|--|--------|--------|--------|--------|
| Model | 535M | 540M | 545M | 550M | 555M |
| Maximum power | 535 | 540 | 545 | 550 | 555 |
| Working point voltage | 41.50 | 41.65 | 41.80 | 41.95 | 42.20 |
| Working point current | 12.90 | 12.97 | 13.04 | 13.11 | 13.18 |
| Open circuit voltage | 49.35 | 49.50 | 49.65 | 49.70 | 49.85 |
| Short circuit current | 13.78 | 13.85 | 13.92 | 14.05 | 14.18 |
| PV module efficiency | 20.73% | 20.92% | 21.12% | 21.31% | 21.50% |
| Standard test conditions | AM1.5, Irradiance 1000w/m ² , Cell Temperature 25°C | | | | |

| RearSide Power gain | | | | | | |
|---------------------|----------------|---------|---------|---------|---------|---------|
| 5% | Maximum Power | 561.8Wp | 567.0Wp | 572.3Wp | 577.5Wp | 585.2Wp |
| | Efficiency STC | 21.76% | 21.97% | 22.17% | 22.38% | 22.58% |
| 15% | Maximum Power | 615.3Wp | 621.0Wp | 626.8Wp | 632.5Wp | 638.3Wp |
| | Efficiency STC | 23.83% | 24.06% | 24.28% | 24.51% | 24.73% |
| 25% | Maximum Power | 668.8Wp | 675.0Wp | 681.3Wp | 687.5Wp | 693.8Wp |
| | Efficiency STC | 25.91% | 26.15% | 26.64% | 26.88% | 26.39% |

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)/144 | 535-555W
 PV Module Dimension



Mechanical Parameters

| | |
|--------------------------|--|
| Module size | 2278*1133*30mm |
| Number of solar cells | 144Cells(2*6*12) |
| Weight | 31Kg ±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 × 20 box =720 Pcs |
|---------------------------|------------------------------|

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 | 30A |