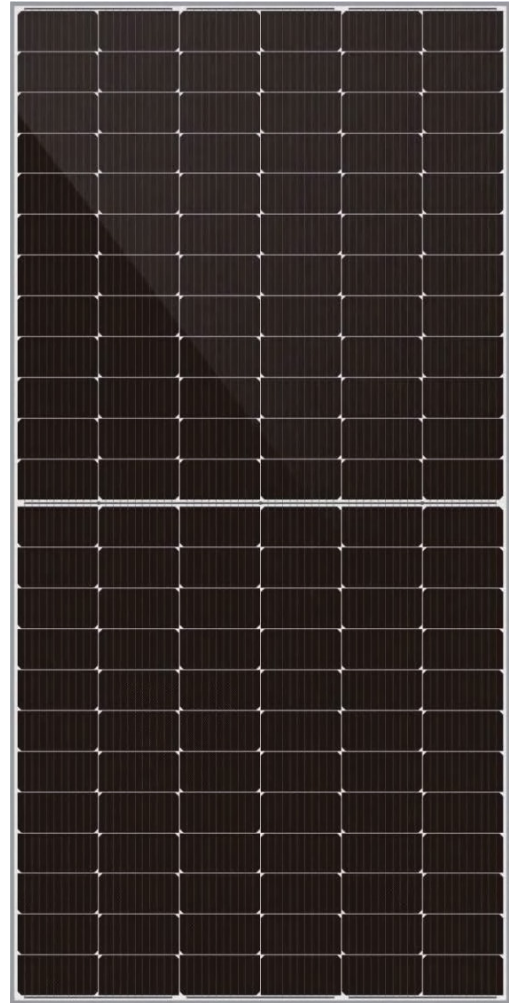
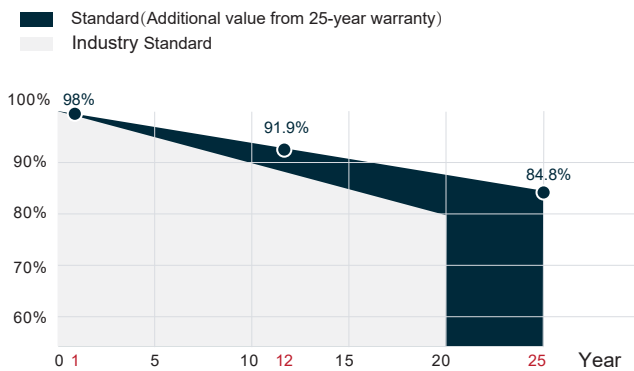




Tier 1 550W Solar Panel

SKU: 11895 Silver frame

12Yr quality guarantee | 25Yr power warranty



WARRANTY & GUARANTEE

Linear output power guarantee
12 years: 91.9% power output
25 years: 84.8% power output



WITHSTAND STRONG

Snow load 5400Pa
Wind load 2400Pa



R&D AND PRODUCTION

Advanced production line.
The leading solar cell cutting process and multi busbar design.



HIGH EFFICIENCY

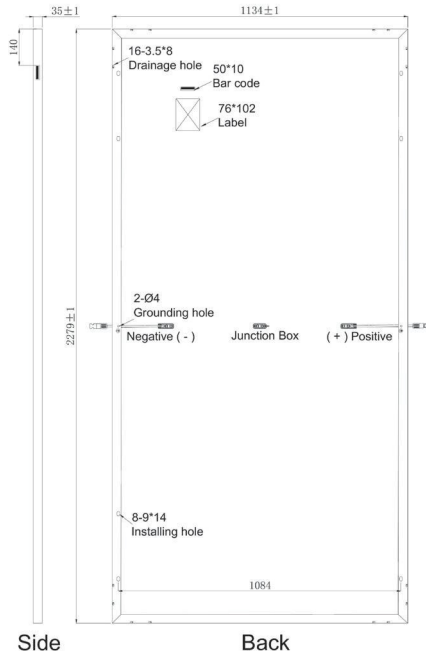
Efficiency can reach 21.28%. Excellent low light performance. Higher power output under the conditions of haze, overcast, etc.



POWER TOLERANCE

Power positive tolerance: 0~+3%

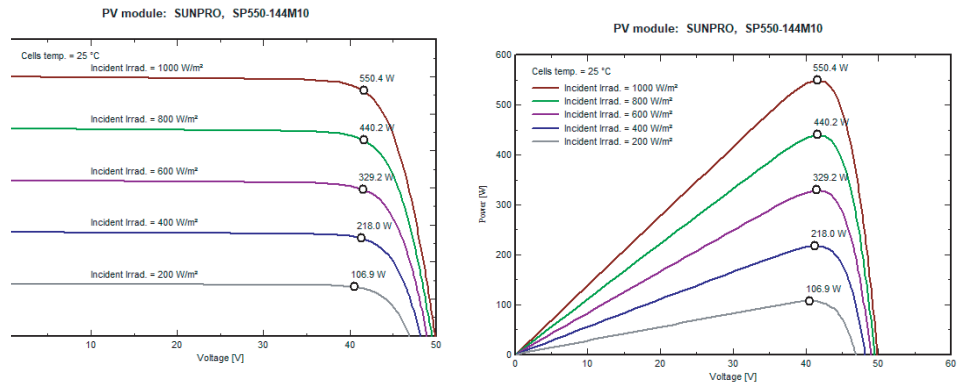
ENGINEERING DRAWING



Mechanical Data

| | |
|-----------------|--|
| Dimensions | 2279x1134x35mm |
| Weight | 29 kg |
| Glass | 3.2mm ultra clear embossed tempered coated glass |
| Output cables | 4mm ² , symmetrical lengths 1300mm |
| Connectors | MC4 compatible IP68 |
| Cell type | Mono-Crystalline PERC, 182x91mm |
| Number of cells | 144 cells (Half-Cell) |

I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



Electrical parameters at NMOT test conditions

(Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s)

| | |
|----------------------------|-------|
| Max power(Pmax) | 410 |
| Max power voltage(Vmp) | 38.50 |
| Max power current(Imp) | 10.65 |
| Open circuit voltage(Voc) | 46.50 |
| Short circuit current(Isc) | 11.28 |

Electrical parameters at standard test conditions

(STC:AM=1.5, 1000W/m², Cells Temperature 25)

| | |
|----------------------------|-------------------------------|
| Max power(Pmax) | 550 |
| Max power voltage(Vmp) | 41.96 |
| Max power current(Imp) | 13.11 |
| Open circuit voltage(Voc) | 49.90 |
| Short circuit current(Isc) | 14.00 |
| Module Efficiency(%) | 21.28 |
| Max system voltage | DC 1500V(TÜV,UL) / 1000V(CUL) |
| Maximum Series Fuse Rating | 25A |

Temperature Characteristics

| | |
|-----------------------------------|-----------|
| Temp.Coeff.of Isc(TK Isc) | 0.048%/°C |
| Temp.Coeff.of Voc(TK Voc) | -0.27%/°C |
| Temp.Coeff.of Pmax(TK Pmax) | -0.34%/°C |
| Operating temperature | -40~+85°C |
| Normal operating cell temperature | 44±2°C |

Packing Configuration

| | |
|-----------------------|-------|
| Container | 40'HQ |
| Pieces per pallet | 62 |
| Pallets per container | 10 |
| Pieces per container | 620 |

Tests, Certifications and Warranties

| | |
|-------------------------------------|---|
| Standard tests | IEC 61215, IEC 61730, IEC 61701, IEC 62716, PPP 58042 |
| System certs | ISO 9001, ISO14001, ISO45001 |
| Certifications | TÜV, CE, UL, CEC, INMETRO, WEEE |
| Extreme wind and snow loads testing | Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal) |
| Power tolerance | 0~+3% |
| Junction box | IP 68 |
| Warranties | 12 years product warranty and 25 years 84.8% of power |