



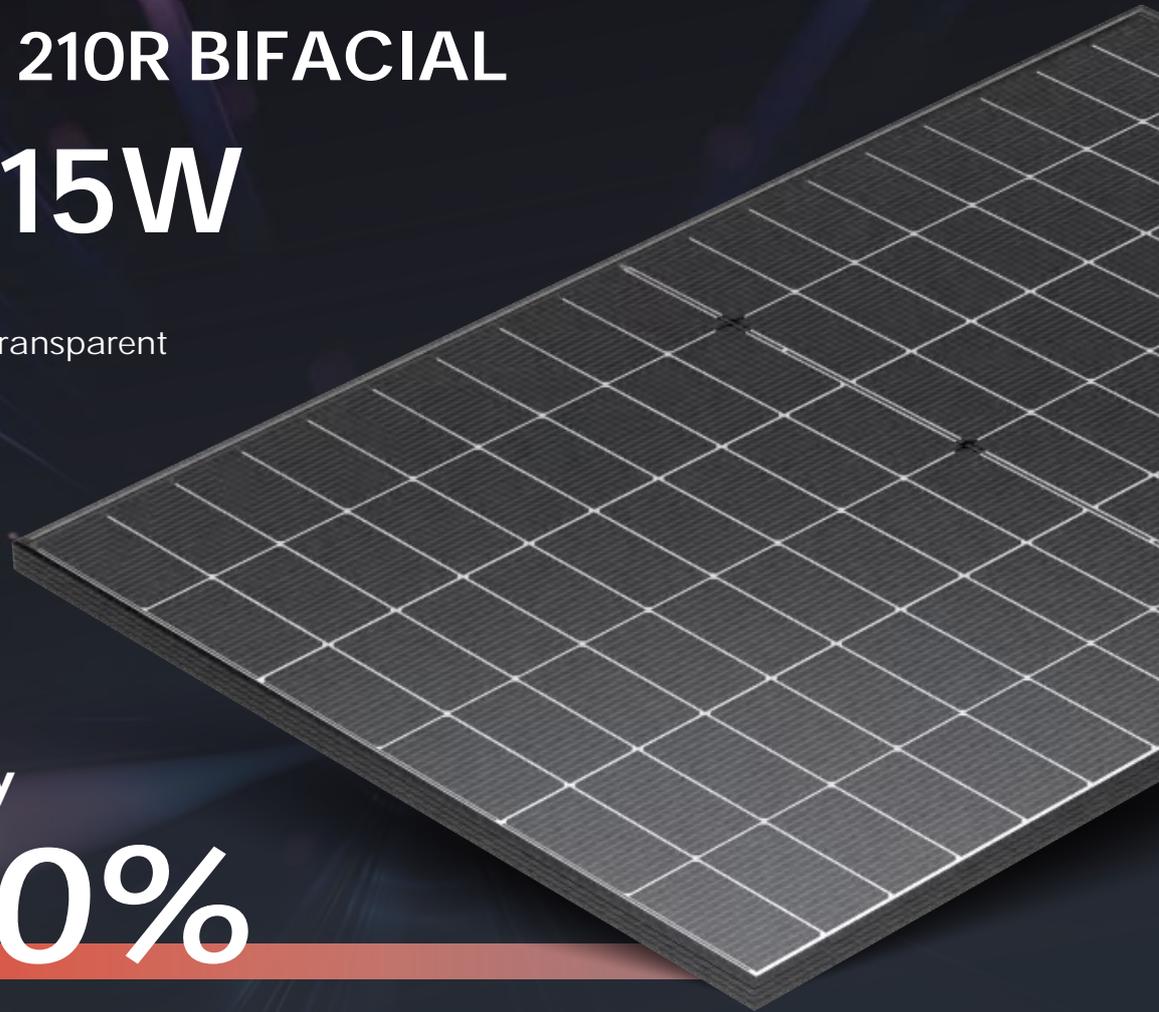
Tier1

BloombergNEF
Power the future

TOPCon 210R BIFACIAL

500-515W

· Black frame, Bifacial Transparent



 UTILITY

 C&I

Module efficiency

23.40%



WARRANTY

Quality Guarantee **25** years

Power Warranty **30** years

CERTIFICATE



Ariet Green



ELECTRIC CHARACTERISTICS

SPDG (500/515W)-N108R12

| Model of modules | SPDG500-N108R12 | | SPDG505-N108R12 | | SPDG510-N108R12 | | SPDG515-N108R12 | |
|-----------------------------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|
| | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
| Power (Pmax/W) | 500 | 378.10 | 505 | 382.20 | 510 | 386.40 | 515 | 390.30 |
| Maximum power current (Vmp) | 33.38 | 31.40 | 33.60 | 31.60 | 33.85 | 31.90 | 34.09 | 32.10 |
| Maximum power current (Imp) | 14.98 | 12.04 | 15.03 | 12.08 | 15.07 | 12.12 | 15.11 | 12.18 |
| Open circuit voltage (Voc) | 40.01 | 37.90 | 40.24 | 38.10 | 40.48 | 38.40 | 40.71 | 38.6 |
| Short circuitcurrent (Isc) | 15.83 | 12.75 | 15.88 | 12.79 | 15.93 | 12.83 | 15.98 | 12.87 |
| Module efficiency | 22.50% | | 22.72% | | 22.95% | | 23.17% | |

STC (Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m², Cells Temperature25°C)

NMOT (Irradiance 800W/m², Ambient Temperature 20°C,AM1.5,Wind Speed 1m/s)

ELECTRICAL CHARACTERISTICS WITH 15% REAR SIDE POWER GAIN

| | | | | |
|-----------------------------|--------|--------|--------|--------|
| Front power Pmax/W | 575.00 | 580.75 | 586.50 | 592.25 |
| Maximum power voltage (Vmp) | 33.38 | 33.60 | 34.85 | 34.09 |
| Maximum power current (Imp) | 17.23 | 17.28 | 17.33 | 17.37 |
| Open circuit voltage (Voc) | 40.01 | 40.24 | 40.48 | 40.71 |
| Short circuitcurrent (Isc) | 18.20 | 18.26 | 18.32 | 18.38 |

STRUCTURAL CHARACTERISTICS

| | |
|-----------------------|--|
| Module size (L*W*H) | 1960x1134x30mm |
| Weight | 26.6kg |
| Cell | 108 cells,N type Mono-Crystalline , 182.2mm×105 mm |
| Front glass | 2.0mm , Anti-Reflection Coating |
| Back glass | 2.0mm , Heat Strengthened Glass |
| Frame | Anodized aluminum alloy |
| Junction box | IP68 , 3 bypass diodes |
| Output wire | 4mm ² |
| Wire length | Line length 1300mm/customized |
| Connector | MC4 Compatible |
| Packing Specification | 37 pcs/Pallet ; 888 pcs/40' HQ |

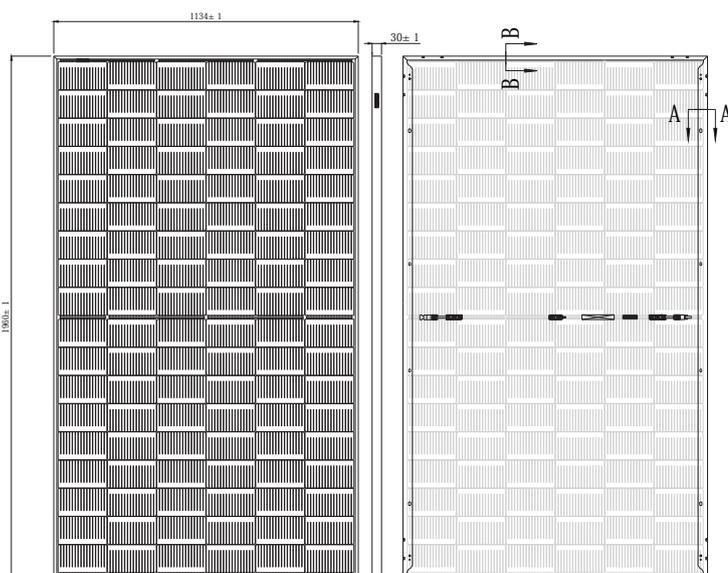
OPERATING PARAMETERS

| | |
|-----------------------------------|-----------------|
| Power tolerance (W) | (0~+5W) |
| Maximum system voltage (V) | 1500V |
| Maximum rated fuse current (A) | 30A |
| Current operating temperature (C) | -40~+85°C |
| Mechanical load | +5400Pa/-2400Pa |

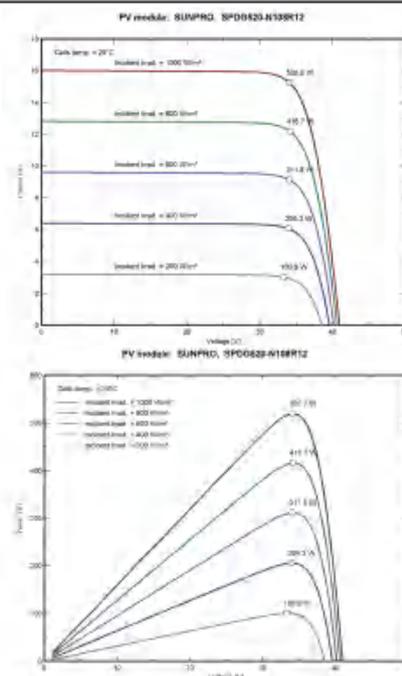
TEMPERATURE CHARACTERISTICS

| | |
|-----------------------------------|-------------|
| Temp. Coeff. of Isc (TK Isc) | 0.045% / °C |
| Temp. Coeff. of Voc (TK Voc) | -0.25% / °C |
| Temp. Coeff. of Pmax (TK Pmax) | -0.30% / °C |
| Normal Operating Cell Temperature | 45±2°C |

MODULE DIMENSIONS(MM)



I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



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*The above parameters are for reference only, and the actual parameters of the factory shall prevail