

Tier1

BloombergNEF



ISO 9001  
ISO 45001

ISO 14001  
OHSAS 18001

SA 8000



## G10 HI-EFF BIFACIAL HJT

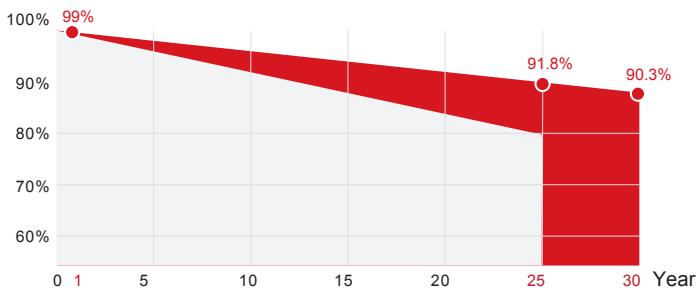
SP-182-144DSxxx

570~600W

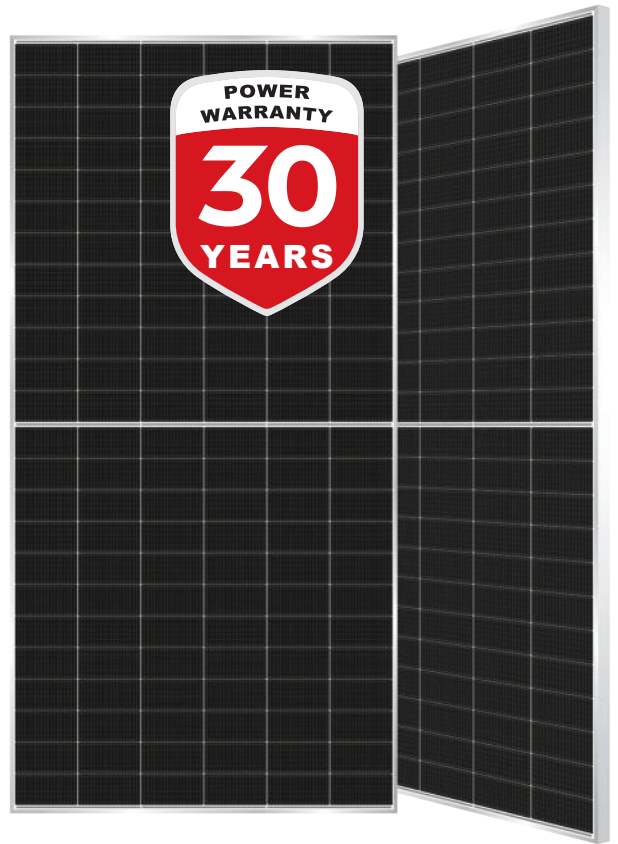
- Double glass
- Silver frame
- White mesh

· 15 Yr quality guarantee | 30Yr power warranty

- SUNPRO HJT module (Additional value from 30-year warranty)
- Common module



\*SUNPRO Standard tiered warranty



### WARRANTY & GUARANTEE

Linear output power guarantee  
25 years: 91.8% power output  
30 years: 90.3% power output



### WITHSTAND STRONG

Snow load 5400Pa  
Wind load 2400Pa



### ADVANCED BIFACIAL EFFICIENCY

Bifaciality > 95%, effectively improves backside power generation. A bifacial cell design that generates energy from both sides, capturing and converting more sunlight into power.



### R&D AND PRODUCTION

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



### HIGH ENERGY YIELD

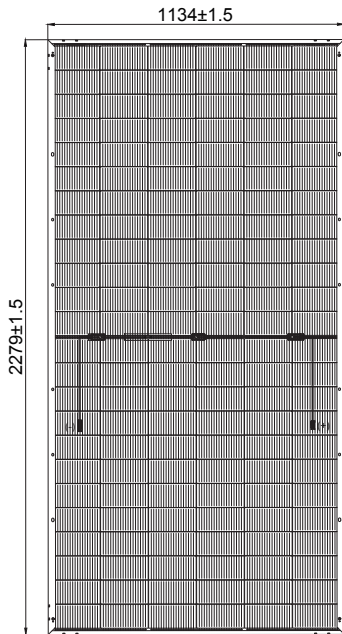
Efficiency can reach 23.22%. Excellent weak light performance and better performance in hot climate. Leading temperature coefficient for more production when the sun shines strongest, Or under the cloudy, haze condition

## Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m<sup>2</sup>, Cells Temperature 25°C)

### Typical type

	570W	575W	580W	585W	590W	595W	600W
Max power(Pmax)	570	575	580	585	590	595	600
Max power voltage(Vmp)	44.57	44.79	45.00	45.21	45.42	45.63	45.84
Max power current(Imp)	12.79	12.84	12.89	12.94	12.99	13.04	13.09
Open circuit voltage(Voc)	53.55	53.72	53.92	54.12	54.31	54.50	54.70
Short circuit current(Isc)	13.24	13.30	13.35	13.40	13.45	13.50	13.55
Module Efficiency(%)	22.06	22.25	22.44	22.64	22.83	23.02	23.22
Max system voltage	DC 1500V(TÜV)						
Maximum Series Fuse Rating	25A						

### DIMENSIONS AND STRUCTURE



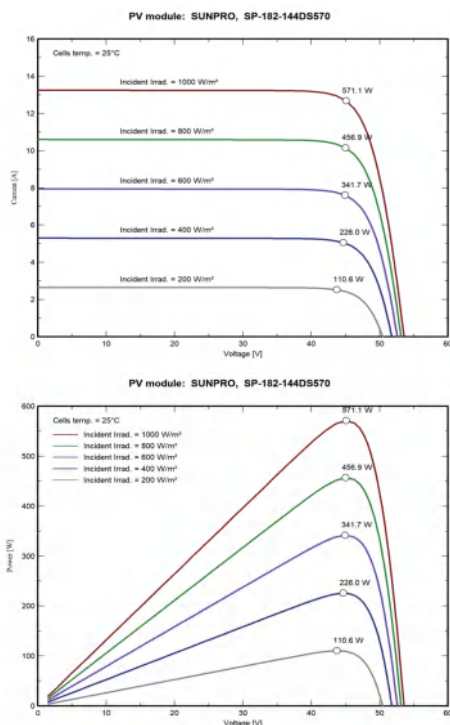
### Electrical Characteristics with 15% Rear Side Power Gain

Front power Pmax/W	570W	575W	580W	585W	590W	595W	600W
Total power Pmax/W	655.5	661.25	667	672.75	678.5	684.25	690
Vmp/V(Total)	44.57	44.79	45.00	45.21	45.42	45.63	45.84
Imp/A(Total)	14.71	14.76	14.82	14.88	14.94	15.00	15.05
Voc/V(Total)	53.55	53.72	53.92	54.12	54.31	54.50	54.70
Isc/A(Total)	15.22	15.29	15.35	15.41	15.47	15.52	15.58

### Mechanical Data

Dimensions	2279x1134x30mm
Weight	32kg
Glass	(F)2.0mm ultra clear embossed semi-tempered coated glass (B)2.0mm white mesh semi-tempered glass
Output cables	4mm <sup>2</sup> , 1300mm in length, length can be customized/UV Resistant
Connectors	MC4 compatible IP68
Cell type	Mono-Crystalline, Bifacial HJT, 182x91mm
Number of cells	144cells ( Half-Cell )

### I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



### Temperature Characteristics

Temp.Coeff.of Isc(TK Isc)	0.04%/°C
Temp.Coeff.of Voc(TK Voc)	-0.24%/°C
Temp.Coeff.of Pmax(TK Pmax)	-0.24%/°C
Operating temperature	-40~+85°C
Normal operating cell temperature	44±2°C

### Packing Configuration

Container	40'HQ
Pieces per pallet	36
Pallets per container	20
Pieces per container	720

### Tests, Certifications and Warranties

Standard tests	IEC 61215, IEC 61730
System certs	ISO 9001, ISO14001, ISO45001
Certifications	TÜV, WEEE
Extreme wind and snow loads testing	Withstand extreme wind(2400 Pascal) and snow loads(5400 Pascal)
Power tolerance	0~+5W
Junction box	IP 68
Warranties	15 years product warranty and 30 years 90.3% of power