

Tier1

BloombergNEF



FIRE CERTIFICATE C1 ISO 9001 ISO 14001 ISO 45001 OHSAS 18001 SA 8000

M10 TOPCon BIFACIAL (customized)

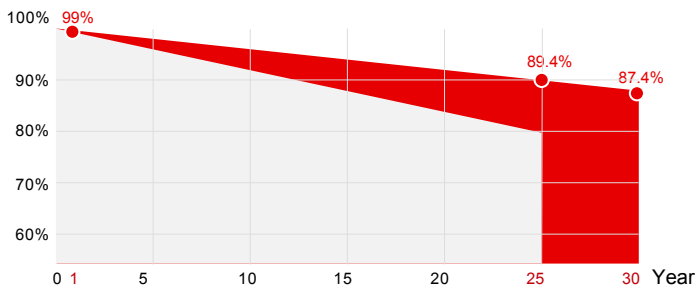
SPDG xxx-N108M10

360~380W

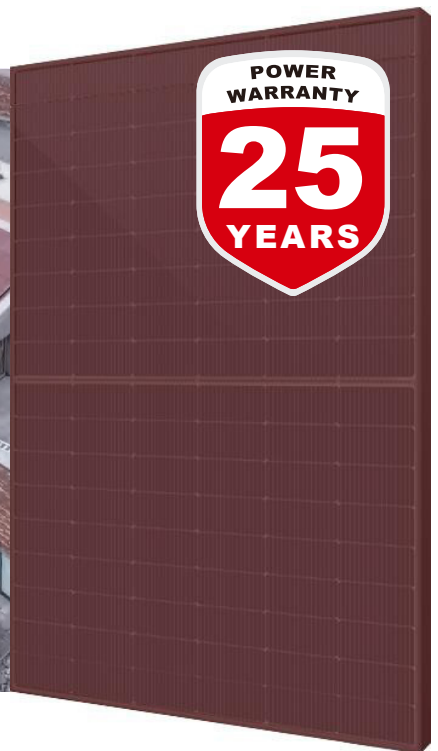
- Deep Red
- Forest Green
- Terracotta Orange
- Alabaster White

25 Yr quality guarantee | 30 Yr power warranty

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



*SUNPRO Standard tiered warranty



*The actual colour shades may vary from the images shown. Colour inconsistencies in a module may appear due to the nature of this product.



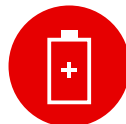
WARRANTY & GUARANTEE

Linear output power guarantee
25 years: 89.4% power output
30 years: 87.4% power output



WITHSTAND STRONG

Snow load 5400Pa
Wind load 2400Pa



PID RESISTANCE

Power positive tolerance: 0~+3%.
The attenuation probability of PID phenomenon is minimized through battery production technology optimization and material control



R&D AND PRODUCTION

Advanced production line. Bifaciality>80%, effectively improves backside power generation. The leading solar cell cutting process and multi busbar design with SUNPRO Technology.



HIGH EFFICIENCY

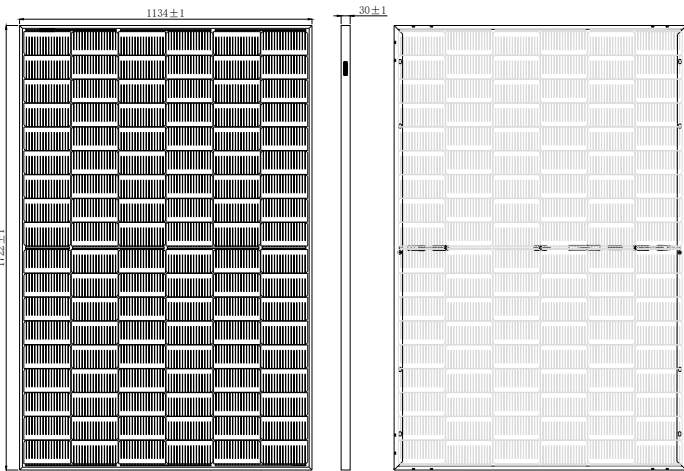
N-type, Components have better reliability and lower LID/LETID attenuation. Efficiency can reach 19.46%. Excellent low light performance. Higher power output under the conditions of haze, overcast, etc.

Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m², Cells Temperature 25°C)

Typical type

	360W	365W	370W	375W	380W
Max power(Pmax)	360	365	370	375	380
Max power voltage(Vmp)	31.45	31.59	31.74	31.89	32.05
Max power current(Imp)	11.45	11.56	11.66	11.76	11.86
Open circuit voltage(Voc)	38.12	38.22	38.32	38.42	38.53
Short circuit current(Isc)	12.07	12.18	12.29	12.40	12.51
Module Efficiency(%)	18.44	18.69	18.95	19.20	19.46
Max system voltage	DC 1500V(TÜV)				
Maximum Series Fuse Rating	30A				

DIMENSIONS AND STRUCTURE



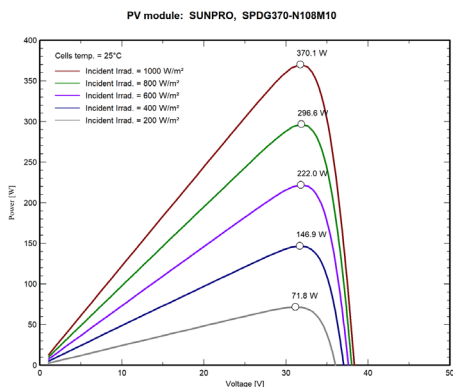
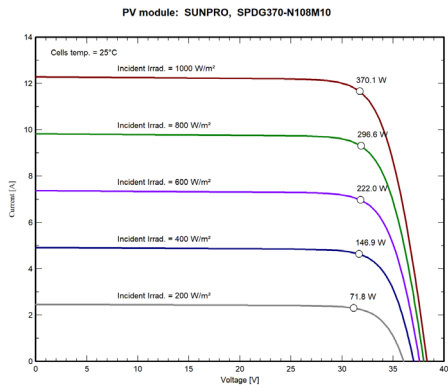
Electrical Characteristics with 10% Rear Side Power Gain

Front power Pmax/W	360W	365W	370W	375W	380W
Total power Pmax/W	396	401.5	407	412.5	418
Vmp/V(Total)	31.45	31.59	31.74	31.89	32.05
Imp/A(Total)	12.59	12.71	12.82	12.94	13.04
Voc/V(Total)	38.12	38.22	38.32	38.42	38.53
Isc/A(Total)	13.28	13.40	13.52	13.64	13.76

Mechanical Data

Dimensions	1722x1134x30mm
Weight	23.3 kg
Glass	(F)2.0mm ultra clear embossed double layer colorless glass (B)2.0mm red mesh glazed tempered glass
Output cables	4mm ² , symmetrical lengths 1100mm
Connectors	MC4 compatible IP68
Cell type	Mono-Crystalline, N type Bifacial, 182x91mm
Number of cells	108 cells (Half-Cell)
Standard color	Frames,BIPV Flashings,Middle and End Clamps: RAL 8017 Solar Glass: RAL 8015

I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



Temperature Characteristics

Temp.Coeff.of Isc(TK Isc)	0.046%/°C
Temp.Coeff.of Voc(TK Voc)	-0.25%/°C
Temp.Coeff.of Pmax(TK Pmax)	-0.30%/°C
Operating temperature	-40~+85°C
Normal operating cell temperature	45±2°C

Packing Configuration

Container	40'HQ
Pieces per pallet	36
Pallets per container	26
Pieces per container	936

Tests, Certifications and Warranties

Standard tests	IEC 61215, IEC 61730, IEC 62716
System certs	ISO 9001, ISO14001, ISO45001
Certifications	TÜV, CE, FIRE CERTIFICATE C1, 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	25 years product warranty and 30 years 87.4% of power