



Tier1

BloombergNEF

Power the future

TOPCon 186.8R MONO-FACIAL

485-500W

High efficiency bifacial modules

· Silver frame, White backboard



 UTILITY

 C&I

Module efficiency

22.55%



Better leveled cost of energy



Better high temperature stability

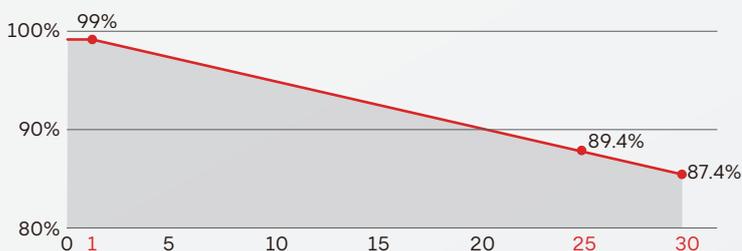


Improved low-light performance



Excellent bifacial performance

Linear performance guarantee for 30 years



WARRANTY

Quality Guarantee **15** years

Power Warranty **30** years

CERTIFICATE



Ariel Green



UL US



Model of modules	SP485-N120R10	SP490-N120R10	SP495-N120R10	SP500-N120R10
	STC	STC	STC	STC
Power (Pmax/W)	485	490	495	500
Maximum power voltage (Vmp)	36.04	36.19	36.35	36.53
Maximum power current (Imp)	13.46	13.54	13.62	13.69
Open circuit voltage (Voc)	43.43	43.57	43.72	43.87
Short circuit current (Isc)	14.02	14.09	14.17	14.25
Module efficiency	21.88%	22.10%	22.33%	22.55%

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)

IRRADIANCE 800W/M², AMBIENT TEMPERATURE 20°C , AM1.5,WIND SPEED 1M/S

Front power Pmax/W	366.20	370.00	374.00	377.80
Maximum power voltage (Vmp)	34.20	34.40	34.50	34.70
Maximum power current (Imp)	10.71	10.77	10.83	10.90
Open circuit voltage (Voc)	41.00	41.20	41.30	41.50
Short circuit current (Isc)	11.30	11.36	11.42	11.48

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	1955 × 1134x35mm
Weight	23kg
Cell	120 cells,N-Type Crystalline Silicon 182x93.4mm
Glass	3.2mm ultra clear embossed tempered coated glass
Frame	Anodized aluminum alloy
Junction box	IP68 , 3 bypass diodes
Output wire	4mm ²
Wire length	Line length 1100mm/customized
Connector	MC4 Compatible
Packing Specification	31 pcs/Pallet ; 744 pcs/40' HQ

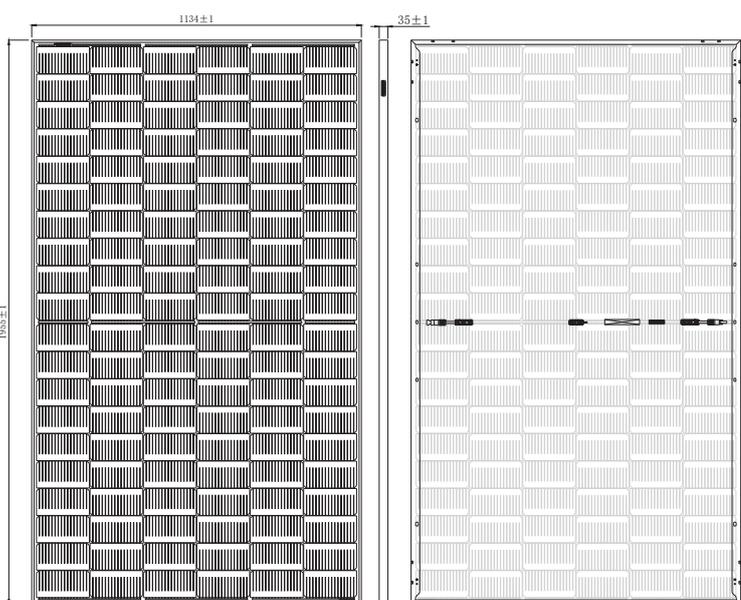
OPERATING PARAMETERS

Power tolerance (W)	(0~+5W)
Maximum system voltage (V)	1500V
Maximum rated fuse current (A)	25A
Current operating temperature (C)	-40~+85°C
Mechanical load	+5400Pa/-2400Pa

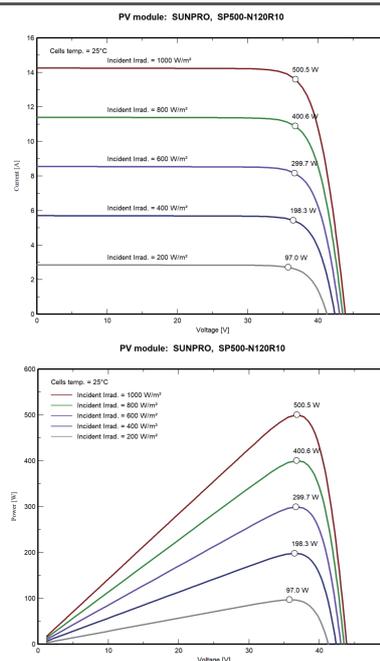
TEMPERATURE CHARACTERISTICS

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
Normal Operating Cell Temperature	45 ± 2°C

MODULE DIMENSIONS(MM)



I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



Zhejiang Sunpro Power Technology Co., Ltd

Add: Qinggang Industrial Zone, Yuhuan City, Zhejiang Province

Tel: +86 0576-80730906 E-mail: info@sunpropower.com Website: www.sunpropower.com

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