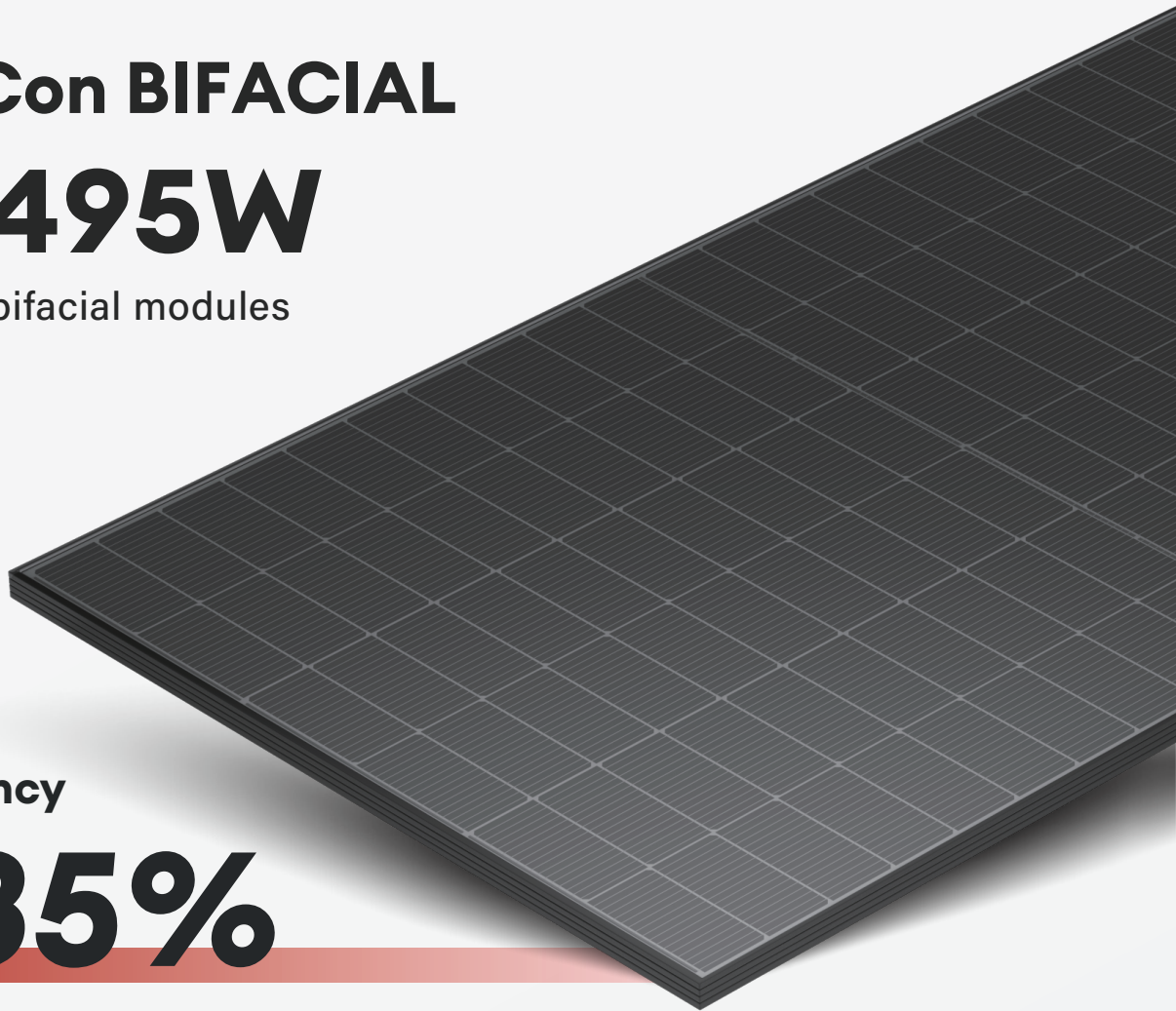


Tier1

BloombergNEF

182 TOPCon BIFACIAL 480-495W

High efficiency bifacial modules



Module efficiency

22.85%



WITHSTAND STRONG



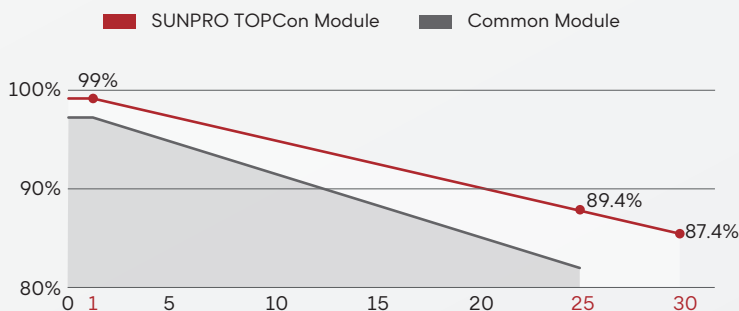
PID RESISTANCE



AUTOMATIC PRODUCTION



HIGH EFFICIENCY



WARRANTY

Quality Guarantee **25 years**

Power Warranty **30 years**

CERTIFICATE



Ariel Green



ELECTRIC CHARACTERISTICS

SPDG (480/495W)-N120M10

Model of modules	SPDG480-N120M10		SPDG485-N120M10		SPDG490-N120M10		SPDG495-N120M10	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Power (Pmax/W)	480	362.00	485	363.00	490	366.00	495	369.9
Maximu power current (Vmp)	35.38	33.30	35.52	33.20	35.66	33.30	35.8	33.4
Maximu power current (Imp)	13.57	10.86	13.66	10.92	13.75	11.00	13.83	11.07
Open circuit voltage (Voc)	42.8	40.40	42.94	40.20	43.06	40.30	43.21	40.5
Short circuitcurrent (Isc)	14.29	11.52	14.38	11.59	14.47	11.66	14.56	11.73
Module efficiency	22.16%		22.39%		22.62%		22.85%	

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	552.00	557.75	563.50	569.25
Maximu power voltage (Vmp)	35.38	35.52	35.66	35.80
Maximu power current (Imp)	15.60	15.70	15.80	15.90
Open circuit voltage (Voc)	42.80	42.94	43.06	43.21
Short circuitcurrent (Isc)	16.43	16.54	16.64	16.74

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	1910x1134x30mm
Weight	26kg
Cell	120 cells,N type Mono-Crystalline , 182mm×91mm
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 1100mm/customized
Connector	MC4 Compatible
Packing Specification	36 pcs/Pallet ; 864pcs/40' HQ

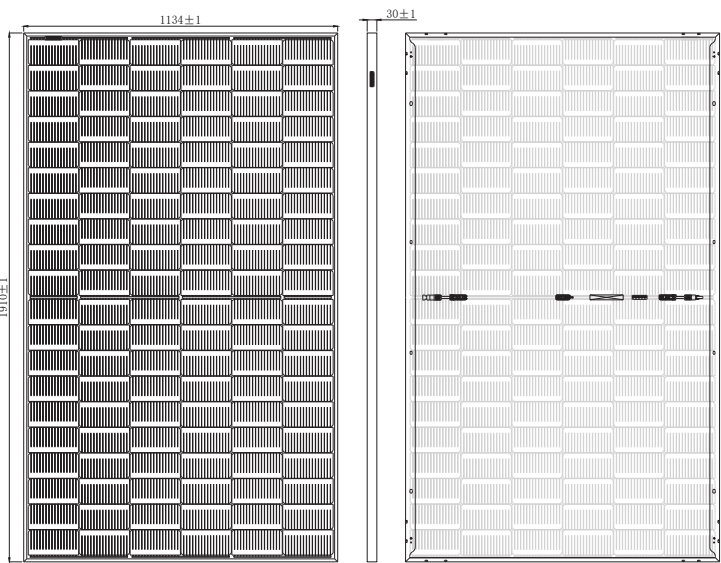
OPERATING PARAMETERS

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

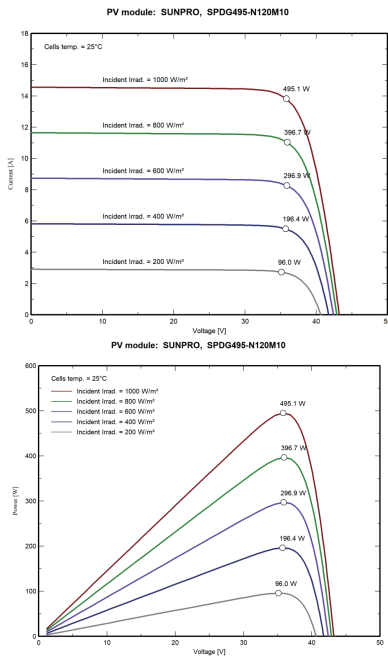
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc (TK Isc)	0.046% / °C
Temp. Coeff. of Voc (TK Voc)	-0.25% / °C
Temp. Coeff. of Pmax (TK Pmax)	-0.30% / °C
Normal Operting 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