

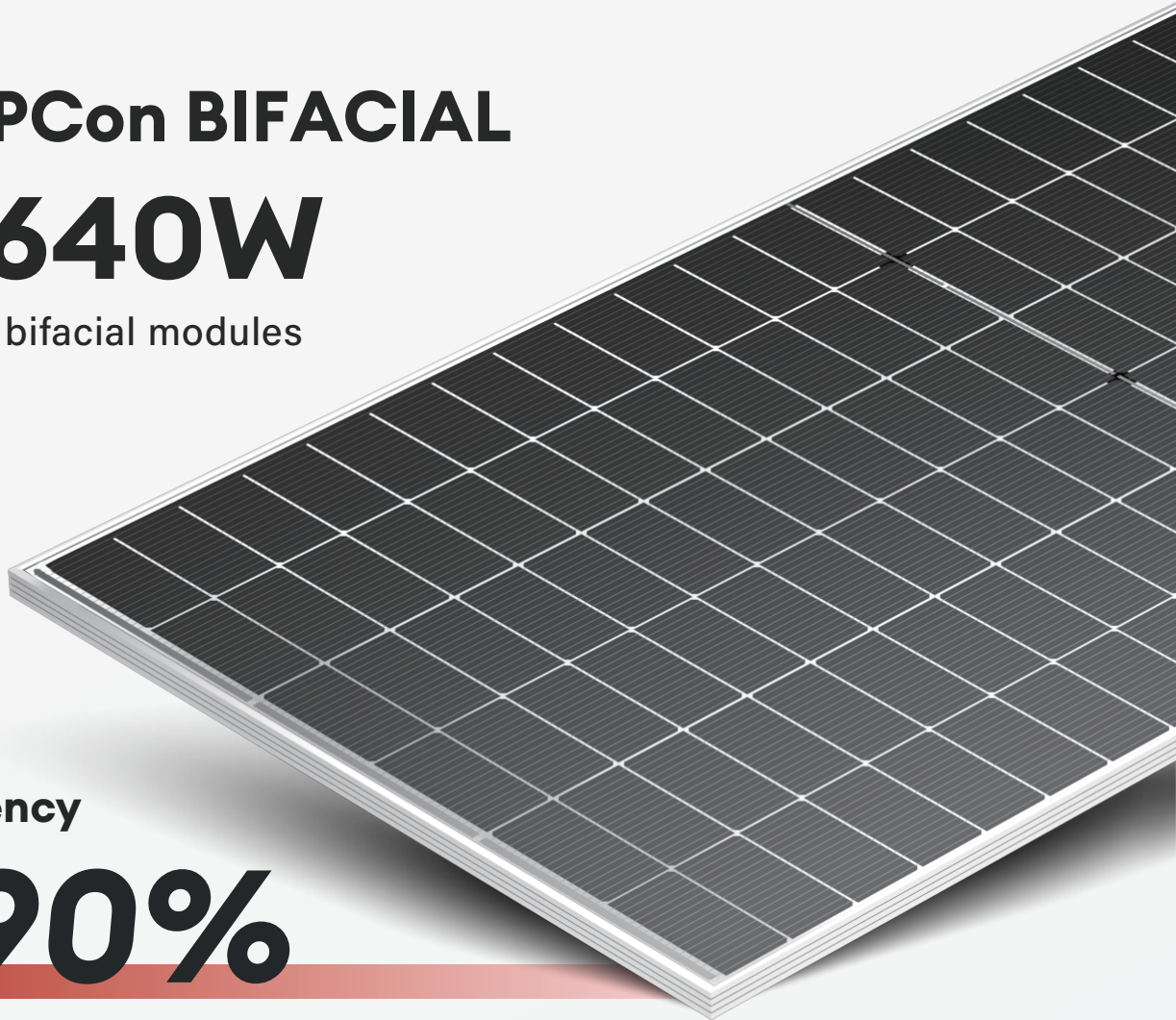
Tier1

BloombergNEF

199R TOPCon BIFACIAL

625-640W

High efficiency bifacial modules



Module efficiency

22.90%



WITHSTAND STRONG



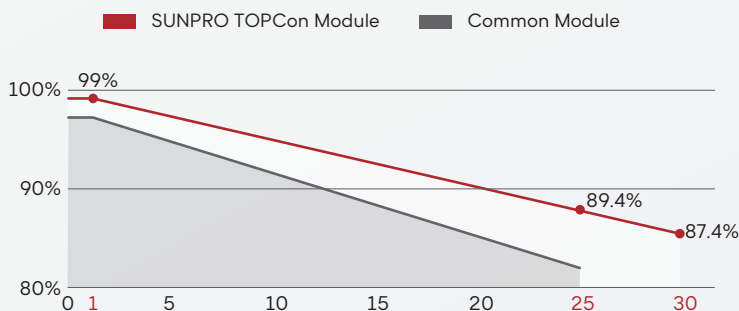
PID RESISTANCE



AUTOMATIC PRODUCTION



HIGH EFFICIENCY



WARRANTY

Quality Guarantee **25 years**

Power Warranty **30 years**

CERTIFICATE



ELECTRIC CHARACTERISTICS

SPDG (625/640W)-N144RX10

Model of modules	SPDG625-N144RX10		SPDG630-N144RX10		SPDG635-N144RX10		SPDG640-N144RX10	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Power (Pmax/W)	625	471.60	630	475.40	635	479.50	640	483.40
Maximu power current (Vmp)	43.68	41.00	43.88	41.10	44.07	41.30	44.26	41.50
Maximu power current (Imp)	14.31	11.52	14.36	11.56	14.41	11.60	14.46	11.64
Open circuit voltage (Voc)	52.25	49.40	52.45	49.60	52.65	49.80	52.85	50.00
Short circuitcurrent (Isc)	15.13	12.19	15.18	12.23	15.23	12.27	15.28	12.31
Module efficiency	22.36%		22.54%		22.72%		22.90%	

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	718.75	724.50	730.25	736.00
Maximu power voltage (Vmp)	43.68	43.88	44.07	44.26
Maximu power current (Imp)	16.45	16.51	16.57	16.63
Open circuit voltage (Voc)	52.25	52.45	52.65	52.85
Short circuitcurrent (Isc)	17.40	17.46	17.51	17.57

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	2465x1134x33mm
Weight	33.6kg
Cell	144 cells,N type Mono-Crystalline , 182.2mm×99.5mm
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 1400mm/customized
Connector	MC4 Compatible
Packing Specification	31 pcs/Pallet ; 496 pcs/40' HQ

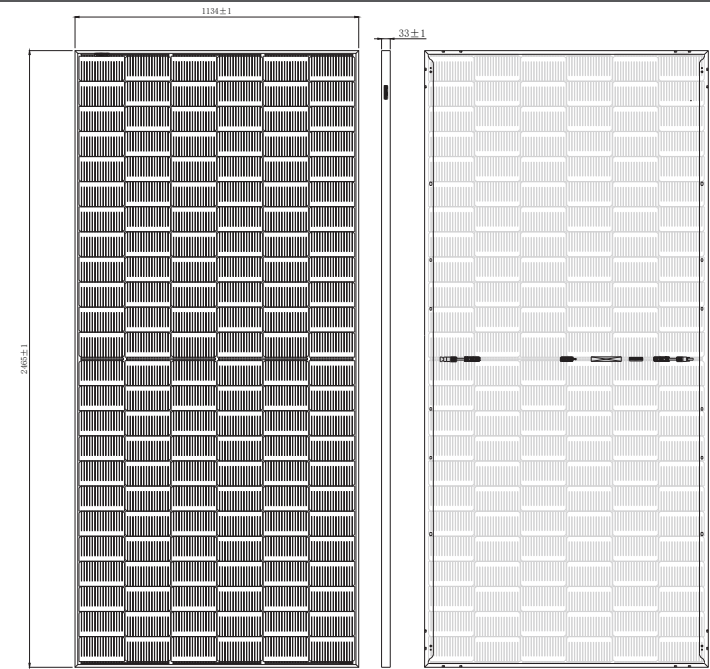
OPERATING PARAMETERS

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

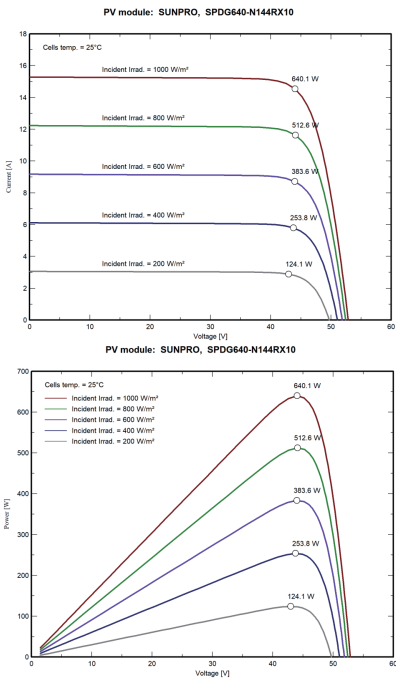
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc (TK Isc)	0.046% / °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