

Tier1

BloombergNEF

Power the future

PERC 182 BIFACIAL 395-420W

High efficiency bifacial modules

· Full black



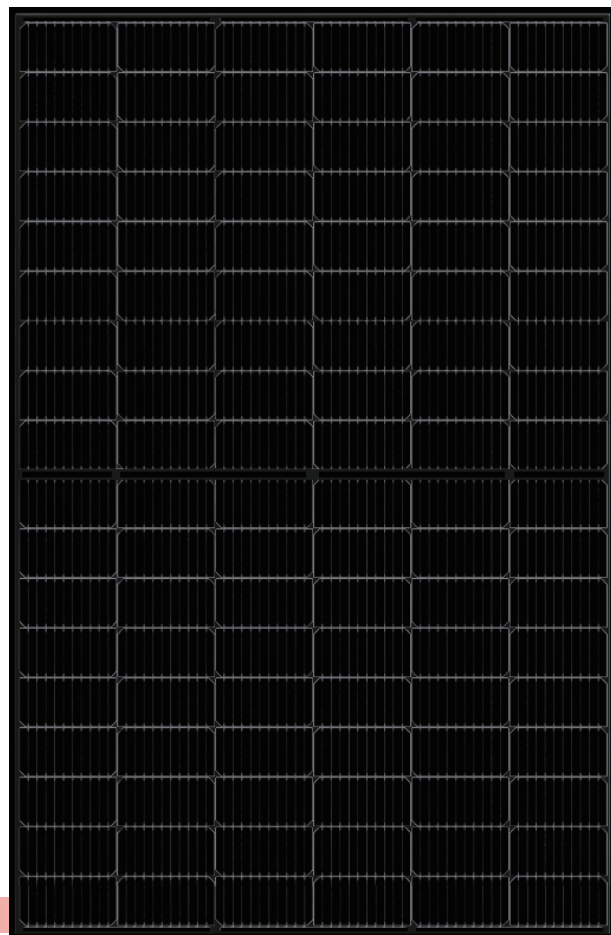
UTILITY



C&I

Module efficiency

21.48%



Better leveled
cost of energy



Better high
temperature stability

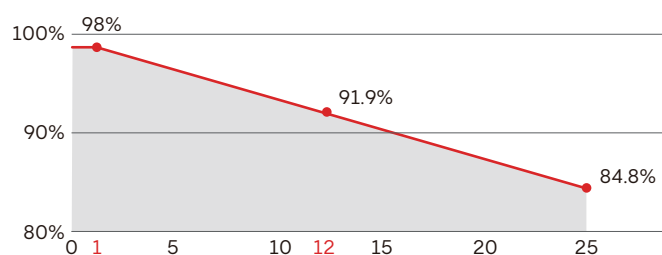


Improved low-light
performance



Excellent
bifacial performance

Linear performance guarantee for 25 years



WARRANTY

Quality
Guarantee **12**
years

Power
Warranty **25**
years

CERTIFICATE



Ariel Green



Model of modules	SP395-108M10		SP400-108M10		SP405-108M10		SP410-108M10		SP415-108M10		SP420-108M10	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Power (Pmax/W)	395.00	294.00	400.00	298.00	405.00	301.00	410.00	305.00	415.00	309.00	420.00	313.00
Maximum power current (Vmp)	30.62	28.30	30.83	28.40	31.04	28.60	31.25	28.80	31.47	29.00	31.69	29.20
Maximum power current (Imp)	12.90	10.40	12.98	10.46	13.05	10.52	13.12	10.58	13.19	10.65	13.26	10.71
Open circuit voltage (Voc)	36.73	34.30	36.93	34.50	37.13	34.60	37.33	34.80	37.53	35.00	37.73	35.20
Short circuit current (Isc)	13.69	11.04	13.76	11.09	13.83	11.15	13.90	11.20	13.97	11.26	14.04	11.32
Module efficiency	20.20%		20.46%		20.72%		20.97%		21.23%		21.48%	

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

NMOT (Irradiance 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s)

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	1722×1134×30mm
Weight	20.3kg
Cell	108 cells, Mono Crystalline Silicon, 91mm×182mm-10BB
Glass	3.2mm ultra clear embossed tempered coated glass
Frame	Anodized aluminum alloy
Junction box	IP68
Output wire	4mm ²
Wire length	1200mm
Connector	MC4 Compatible
Packing Specification	36 pcs/Pallet ; 936 pcs/40' HQ

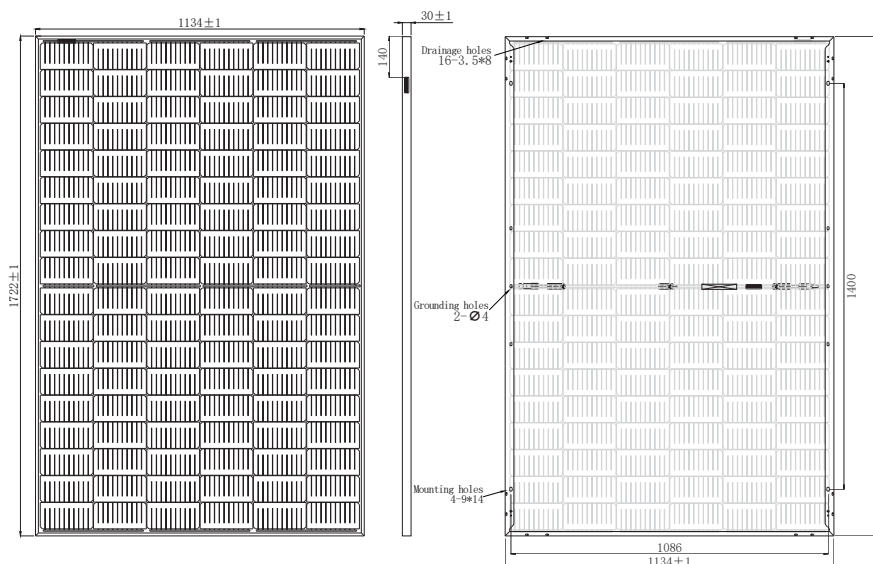
OPERATING PARAMETERS

Power tolerance (W)	(0~+5W)
Maximum system voltage (V)	1000V
Maximum rated fuse current (A)	25A
Current operating temperature (C)	-40~+85°C
Mechanical load	+5400Pa/-2400Pta

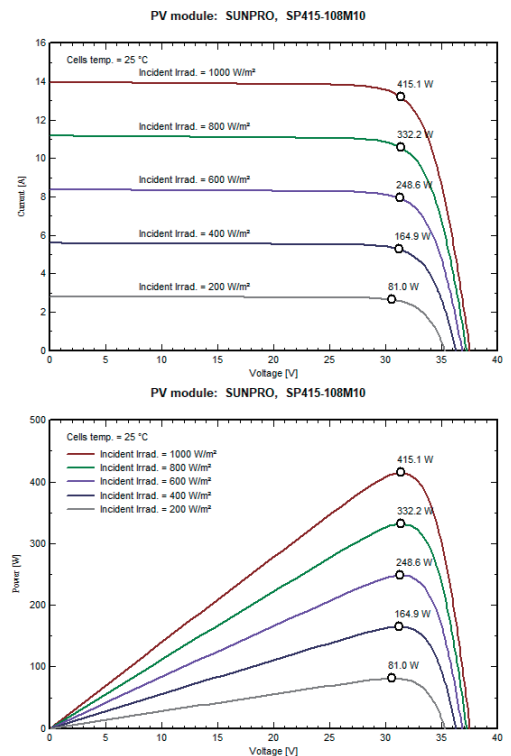
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc (TK Isc)	0.048% / °C
Temp. Coeff. of Voc (TK Voc)	-0.27% / °C
Temp. Coeff. of Pmax (TK Pmax)	-0.34% / °C
Normal Operating Cell Temperature	45±2°C

MODULE DIMENSIONS(MM)



I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



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*All data may have a lag, for reference only. Sunpro has the final right of interpretation.