

Sunpro **Max** Series

P-type High Efficiency Bifacial Module

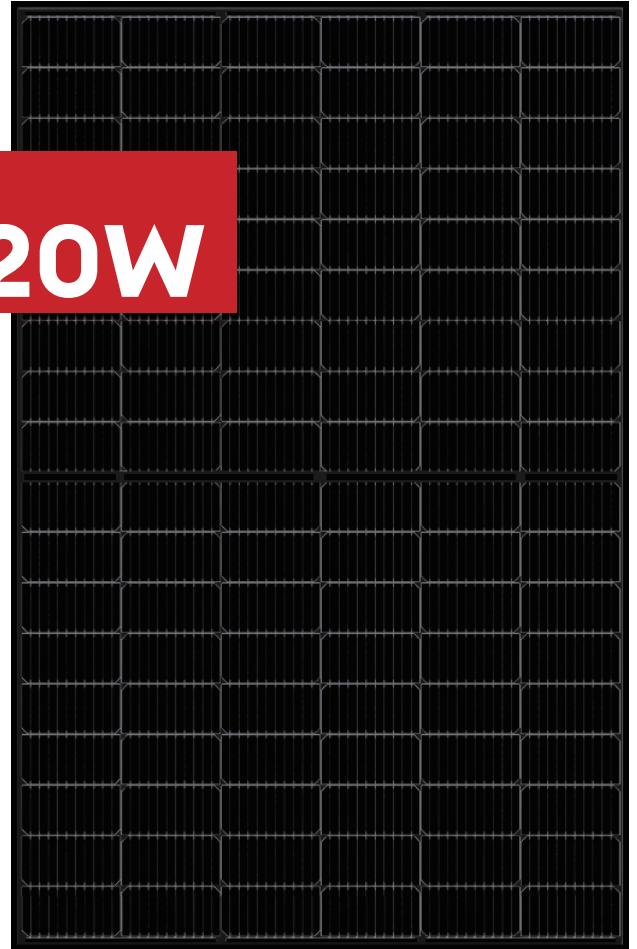
Module efficiency

21.48%

Power Output

395-420W

· Full black



UTILITY



C&I



Lower levelized cost of energy



Superior high-temperature stability

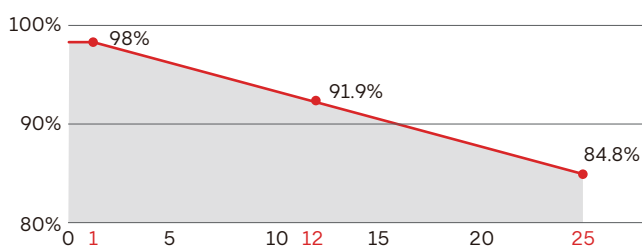


Enhanced low-irradiance performance



Excellent bifacial power gain performance

Linear power output warranty for 25 years



WARRANTY

Extended warranty available upon request at additional cost

Quality Guarantee **12 years**

Power Warranty **25 years**

CERTIFICATE



Ariel Green



ELECTRICAL CHARACTERISTICS

SP (395/420W)-108M10

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 voltage (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 Temperature25°C)

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

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	1722x1134x30mm(67.80x44.65x1.18in)
Weight	20.3kg(44.75lb)
Cell	108 cells, Mono Crystalline Silicon, 91x182mm(3.58x7.17in)-10BB
Glass	3.2mm, ultra clear embossed tempered coated glass
Frame	Anodized aluminum alloy
Junction box	IP68
Output wire	4mm ²
Wire length	1100mm(43.31in)
Connector	MC4 Compatible
Packing Specification:	36 pcs/Pallet; 936 pcs/40' HQ

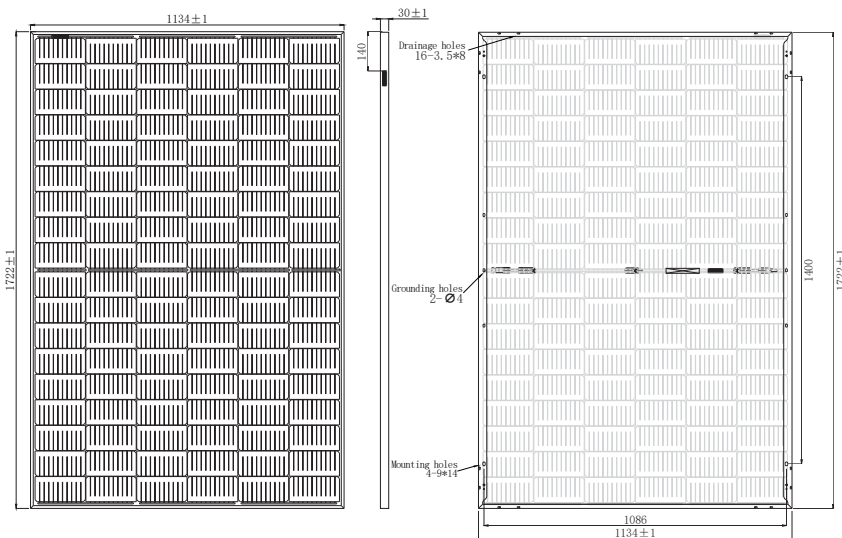
OPERATING PARAMETERS

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

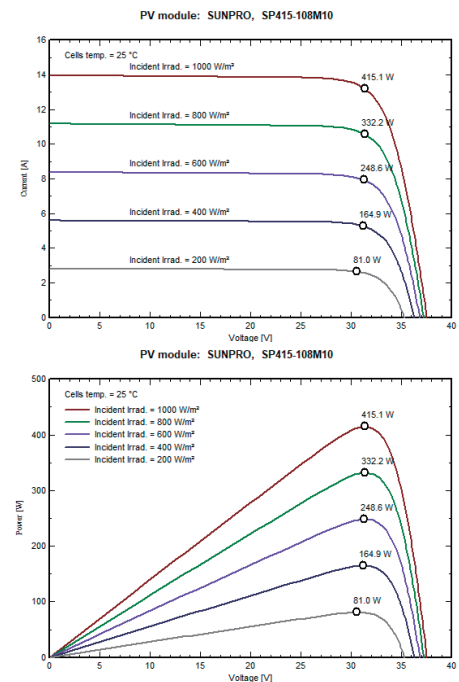
TEMPERATURE CHARACTERISTICS

Temp. Coefficient of Isc(TK Isc)	0.048% / °C
Temp. Coefficient of Voc (TK Voc)	-0.27% / °C
Temp. Coefficient of Pmax (TK Pmax)	-0.34% / °C
Operating temperature range	45 ± 2°C

MODULE DIMENSIONS(MM)



I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



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*All data are subject to slight deviations and are for reference only. Sunpro reserves the right of final interpretation.