

Sunpro **Max** Series

P-type High Efficiency Bifacial Module

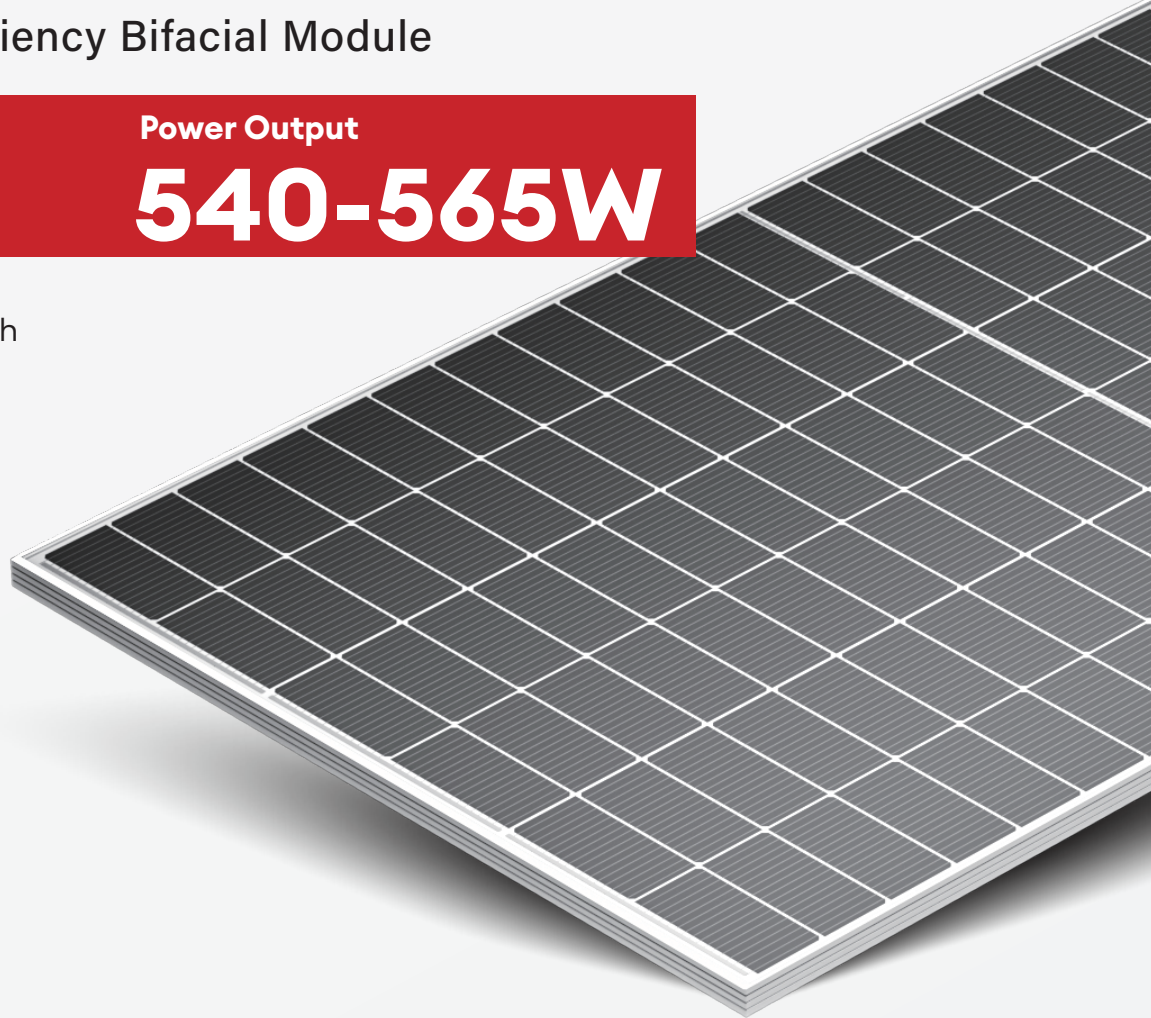
Module efficiency

21.86%

Power Output

540-565W

· Silver frame, White mesh



UTILITY



C&I



Lower levelized cost of energy



Superior high-temperature stability

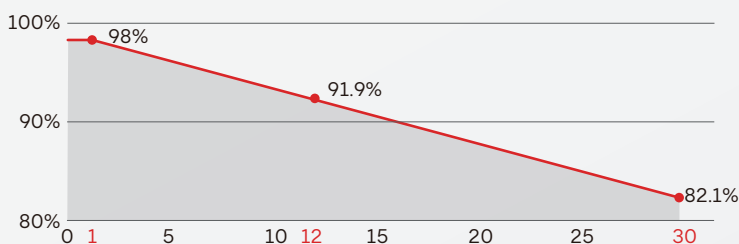


Enhanced low-irradiance performance



Excellent bifacial power gain performance

Linear power output warranty for 30 years



WARRANTY

Extended warranty available upon request at additional cost

Quality Guarantee **15 years**

Power Warranty **30 years**

CERTIFICATE



Ariel Green



ELECTRICAL CHARACTERISTICS

SPDG (540/565W)-144M10

Model of modules	SPDG540-144M10		SPDG545-144M10		SPDG550-144M10		SPDG555-144M10		SPDG560-144M10		SPDG565-144M10	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Power (Pmax/W)	540	405	545	406	550	410	555	413	560	417	565	423
Maximum power voltage (Vmp)	41.69	38.50	41.83	38.30	41.96	38.50	42.09	38.60	42.23	38.70	42.36	39.00
Maximum power current (Imp)	12.96	10.53	13.03	10.59	13.11	10.65	13.19	10.71	13.27	10.77	13.34	10.83
Open circuit voltage (Voc)	49.58	46.6	49.74	46.40	49.90	46.50	50.06	46.70	50.22	46.80	50.38	47.20
Short circuit current (Isc)	13.84	11.16	13.92	11.22	14.00	11.28	14.08	11.35	14.16	11.41	14.24	11.48
Module efficiency	20.89%		21.09%		21.28%		21.48%		21.67%		21.86%	

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	621.00	626.75	632.50	638.25	644	649.75
Maximum power voltage (Vmp)	41.69	41.83	41.96	42.08	42.23	42.36
Maximum power current (Imp)	14.90	14.98	15.07	15.17	15.25	15.34
Open circuit voltage (Voc)	49.58	49.74	49.90	50.06	50.22	50.38
Short circuit current (Isc)	15.92	16.01	16.10	16.19	16.29	16.38

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	2278x1134x35mm(89.69X44.65X1.38in)
Weight	31kg(68.34lb)
Cell	144cells (Half-Cell), Mono-Crystalline PERC, 182x91mm(7.17x3.58in)
Front glass	2.0mm ultra clear embossed semi-tempered coated glass
Back glass	2.0mm white mesh semi-tempered glass
Frame	Anodized aluminum alloy
Junction box	IP68
Output wire	4mm ²
Wire length	Customization
Connector	MC4 compatible IP68
Packing Specification	31 pcs/Pallet; 620 pcs/40' HQ

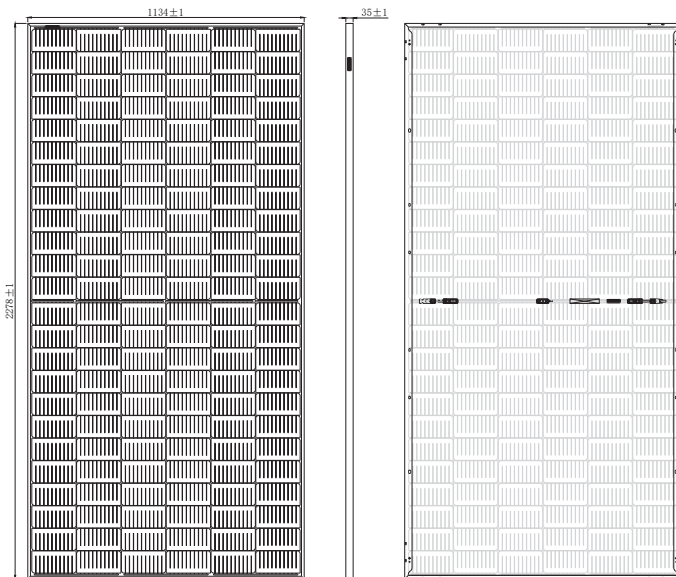
OPERATING PARAMETERS

Power tolerance	0~+5W
Maximum system voltage	1500V
Maximum rated fuse current	30A
Operating temperature range	-40~+85°C
Mechanical load capacity	+5400Pa/-2400Pa

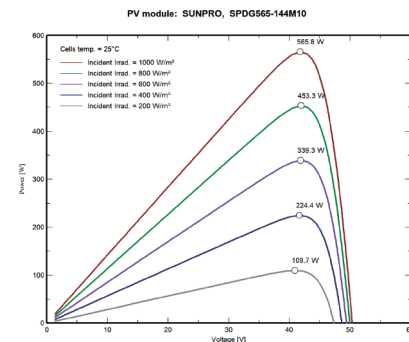
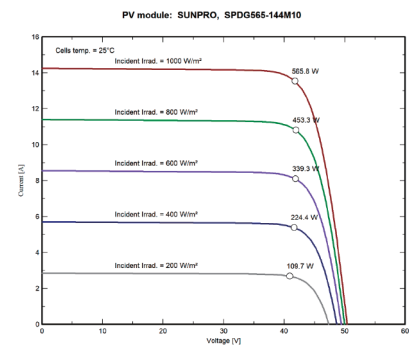
TEMPERATURE CHARACTERISTICS

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	44±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.