

Tier1

BloombergNEF

Power the future

PERC 182 BIFACIAL

540-565W

High efficiency bifacial modules

· Silver frame, White mesh



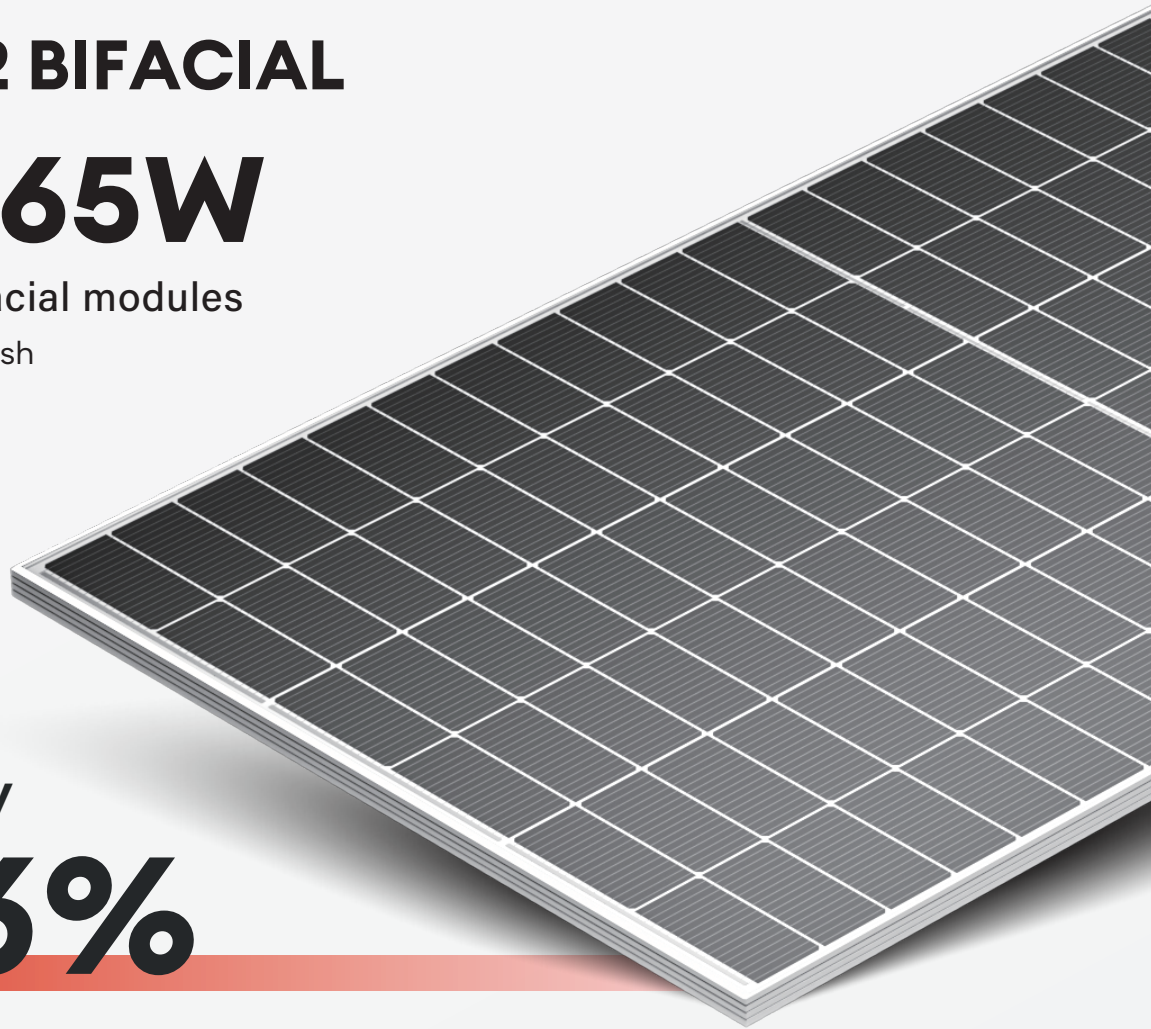
UTILITY



C&I

Module efficiency

21.86%



Better leveled
cost of energy



Better high
temperature stability

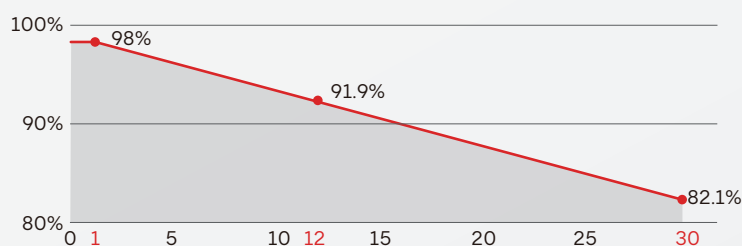


Improved low-light
performance



Excellent
bifacial performance

Linear performance guarantee for 30 years



WARRANTY

Quality
Guarantee **15**
years

Power
Warranty **30**
years

CERTIFICATE



Ariel Green



ELECTRIC 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 current (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 circuitcurrent (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 Temperature 25°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 circuitcurrent (Isc)	15.92	16.01	16.10	16.19	16.29	16.38

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	2278 × 1134 × 35mm
Weight	31kg
Cell	144cells (Half-Cell), Mono-Crystalline PERC, 182mm x 91mm
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	400mm&200mm
Connector	MC4 compatible IP68
Packing Specification	31 pcs/Pallet ; 620 pcs/40' HQ

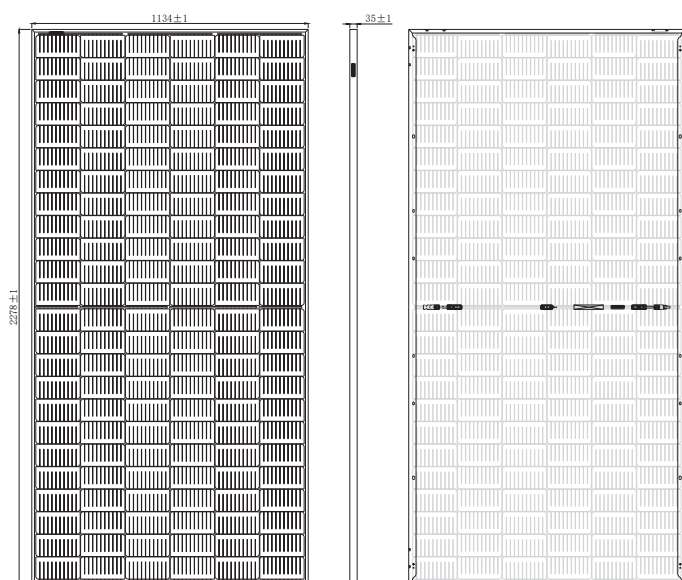
OPERATING PARAMETERS

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

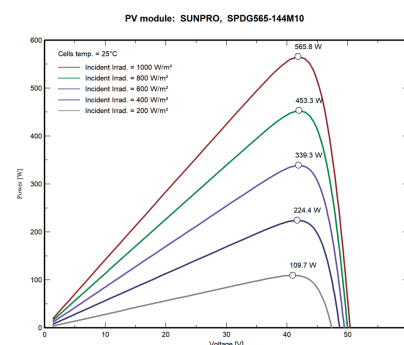
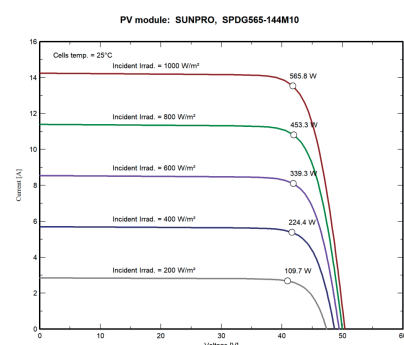
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc (TK Isc)	0.048% / °C
Temp. Coeff. of Voc (TK Voc)	-0.27% / °C
Temp. Coeff. of Pmax (TK Pmax)	-0.34% / °C
Normal Operating Cell Temperature	44 ± 2°C

MODULE DIMENSIONS(MM)



I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



SUNPRO POWER NORTH AMERICA INC.

ADD: STE 2, 206 N Randolph St, Champaign, IL 61820

E-MAIL: info@sunpropower.com WEBSITE: www.sunpropower.us

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