



**Tier1**

BloombergNEF

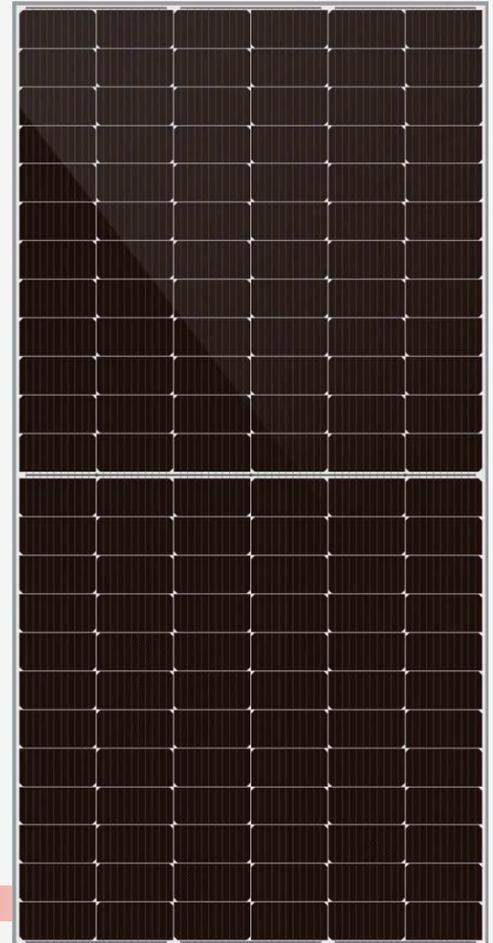
*Power the future*

# 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



Model of modules	SPDG540-144M10		SPDG545-132M10		SPDG550-132M10		SPDG555-144M10		SPDG560-144M10		SPDG565-144M10	
	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/m<sup>2</sup> ,Cells Temperature25°C )

NMOT ( Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C,AM1.5,Wind Speed 1m/s )

**ELECTRICAL CHARACTERISTICS WITH 15% REAR SIDE POWER GAIN**

Front power Pmax/W	621	626.75	632.5	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
Weight	31kg
Cell	144 cells,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 <sup>2</sup>
Wire length	Line length 1300mm
Connector	MC4 Compatible IP68
Packing Specification	31 pcs/Pallet ; 620 pcs/40' HQ

**OPERATING PARAMETERS**

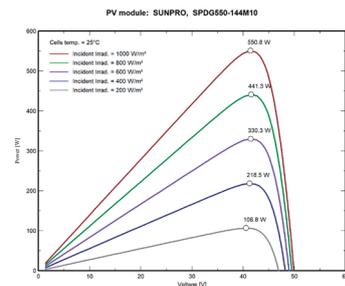
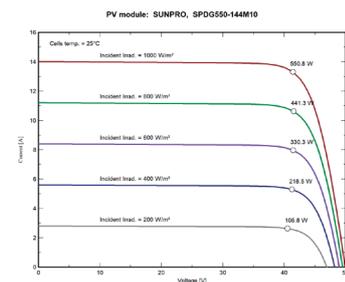
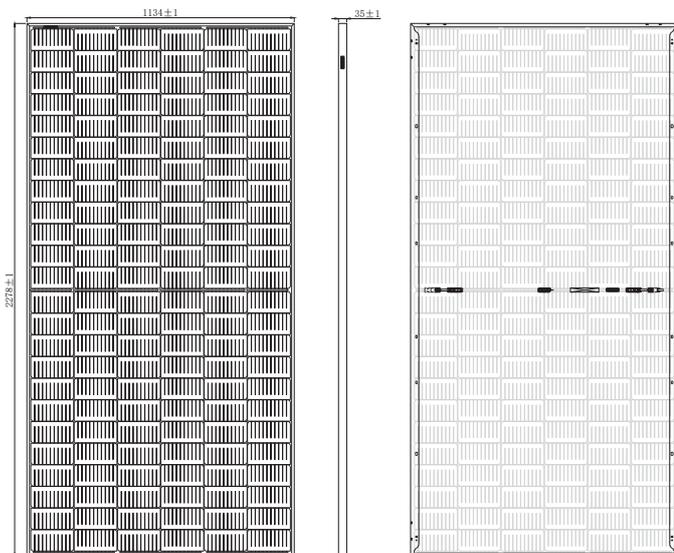
Power tolerance (W)	(0~+5W)
Maximum system voltage (V)	1500V
Maximum rated fuse current (A)	35A
Current operating temperature (C)	-40~+85°C
Mechanical load	+5400Pa/-2400Pa

**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**



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\*The above parameters are for reference only, and the actual parameters of the factory shall prevail