



**Tier1**

BloombergNEF

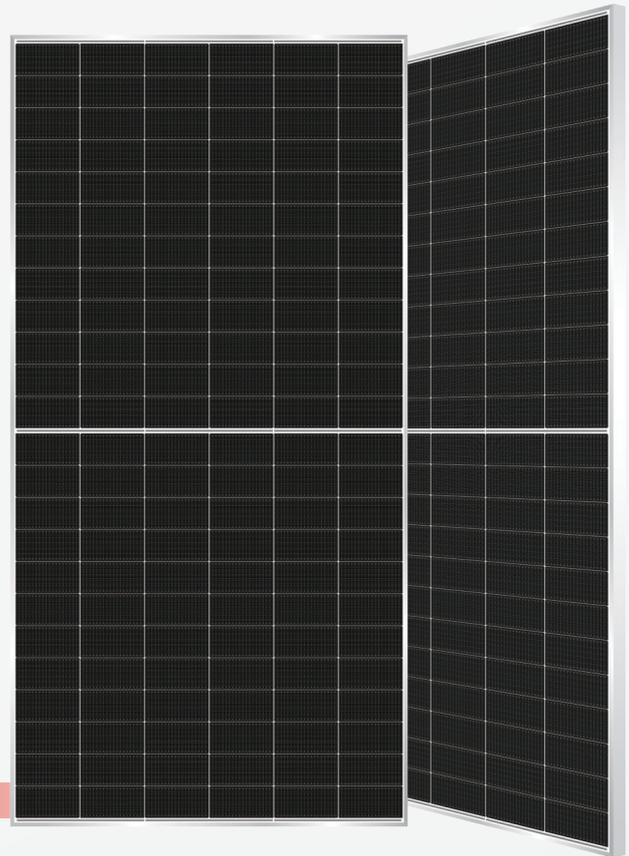
*Power the future*

# HJT 182 G10 HI-EFF BIFACIAL

## 580-600W

High efficiency bifacial modules

· Silver frame, White mesh



 UTILITY

 C&I

Module efficiency

# 23.22%



Better leveled cost of energy



Better high temperature stability

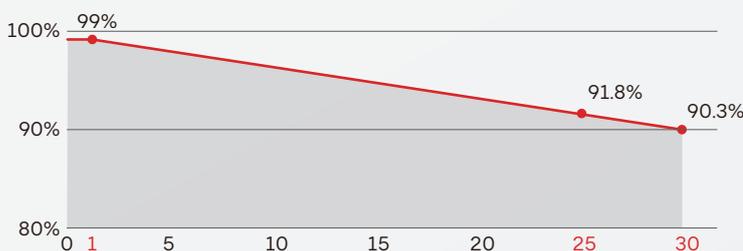


Improved low-light performance



Excellent bifacial performance

Linear performance guarantee for 30 years



### WARRANTY

Quality Guarantee **15** years

Power Warranty **30** years

### CERTIFICATE



Model of modules	SP580W-182-144DS		SP585W-182-144DS		SP590W-182-144DS		SP595W-182-144DS		SP600W-182-144DS	
	STC	NMOT								
Power ( Pmax/W )	580.00	440.60	585.00	444.30	590.00	448.00	595.00	451.70	600.00	455.40
Maximum power voltage ( Vmp )	45.00	43.00	45.21	43.20	45.42	43.40	45.63	43.60	45.84	43.80
Maximum power current ( Imp )	12.89	10.24	12.94	10.28	12.99	10.32	13.04	10.36	13.09	10.40
Open circuit voltage ( Voc )	53.92	51.20	54.12	51.40	54.31	51.60	54.50	51.70	54.70	51.90
Short circuit current ( Isc )	13.35	10.76	13.40	10.80	13.45	10.84	13.50	10.88	13.55	10.92
Module efficiency	22.44%		22.64%		22.83%		23.02%		23.22%	

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 )

**IRRADIANCE 800W/M<sup>2</sup>, AMBIENT TEMPERATURE 20°C , AM1.5,WIND SPEED 1M/S**

Front power Pmax/W	667.00	672.75	678.50	684.25	690.00
Maximum power voltage ( Vmp )	45.00	45.21	45.42	45.63	45.84
Maximum power current ( Imp )	14.82	14.88	14.94	15.00	15.05
Open circuit voltage ( Voc )	53.92	54.12	54.31	54.50	54.70
Short circuit current ( Isc )	15.35	15.41	15.47	15.52	15.58

**STRUCTURAL CHARACTERISTICS**

Module size (L*W*H)	2278 × 1134 × 30mm
Weight	31.30kg
Cell	144cells(Half-Cell),HJT Mono , 182mm×91mm-18BB
Glass	(F)2.0mm ultra clear embossed semi-tempered coated glass (B)2.0mm white mesh semi-tempered glass
Frame	Anodized aluminum alloy
Junction box	IP68
Output wire	4mm <sup>2</sup>
Wire length	1300mm
Connector	MC4 Compatible IP68
Packing Specification	36 pcs/Pallet ; 720 pcs/40' HQ

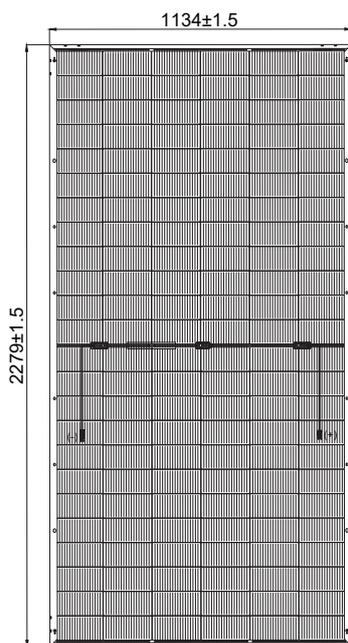
**OPERATING PARAMETERS**

Power tolerance (W)	(0~+3W)
Maximum system voltage (V)	1500V
Maximum rated fuse current (A)	25A
Current operating temperature (C)	-40~+85°C
Mechanical load	+5400Pa/-2400Pa

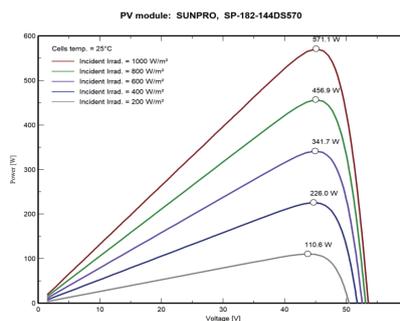
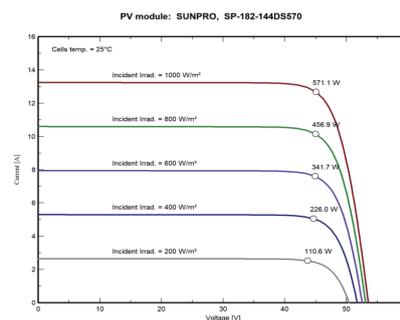
**TEMPERATURE CHARACTERISTICS**

Temp. Coeff. of Isc (TK Isc)	0.04% / °C
Temp. Coeff. of Voc (TK Voc)	-0.24% / °C
Temp. Coeff. of Pmax (TK Pmax)	-0.24% / °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