



**Tier1**

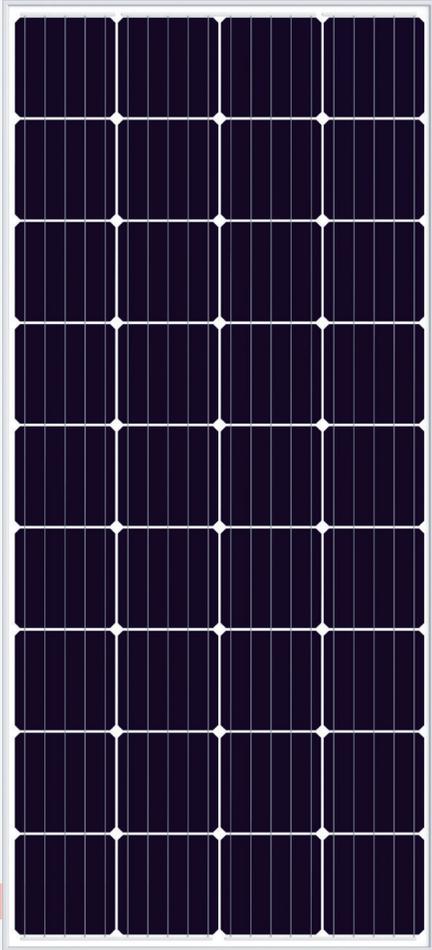
BloombergNEF

*Power the future*

**PERC**

**160-175W**

· Silver frame



 UTILITY

 C&I

**Module efficiency**

**17.65%**



**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 **12 years**

Power Warranty **25 years**

**CERTIFICATE**



Model of modules	SP160-36P	SP165-36P	SP170-48P	SP175-48P
	STC	STC	STC	STC
Power ( Pmax/W )	160	165	170	175
Maximum power voltage ( Vmp )	18.81	19.08	19.84	20.10
Maximum power current ( Imp )	8.51	8.65	8.73	8.75
Open circuit voltage ( Voc )	22.56	22.92	23.44	23.80
Short circuit current ( Isc )	9.02	9.17	9.27	9.43
Module efficiency	16.14%	16.64%	17.14%	17.65%

STC ( Electrical parameters at standard test conditions. STC:AM=1.5, 1000W/m<sup>2</sup>, Cells Temperature 25°C )

**STRUCTURAL CHARACTERISTICS**

Module size (L*W*H)	1480x670x35mm
Weight	10.4 kg
Cell	36 cells, Mono-Crystalline PERC, 156.75mm x 156.75mm
Front glass	3.2mm ultra clear embossed semi-tempered coated glass
Frame	Anodized aluminum alloy
Junction box	IP68
Output wire	4mm <sup>2</sup>
Wire length	Line length 900mm
Connector	MC4 Compatible IP68
Packing Specification	31 pcs/Pallet ; 1425 pcs/40' HQ

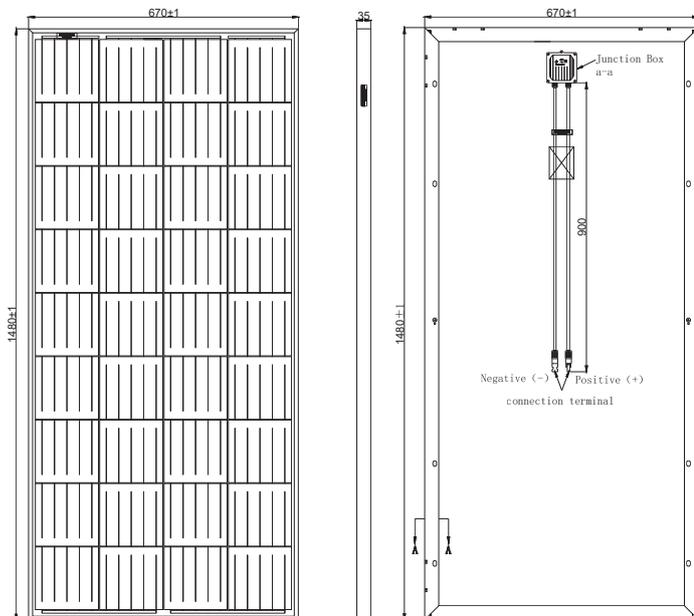
**OPERATING PARAMETERS**

Power tolerance (W)	(0~+5W)
Maximum system voltage (V)	1500(TÜV)
Maximum rated fuse current (A)	15A
Current operating temperature (C)	-40~+85°C
Mechanical load	+5400Pa/-2400Pa

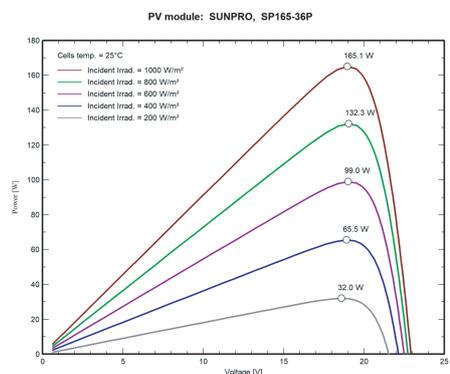
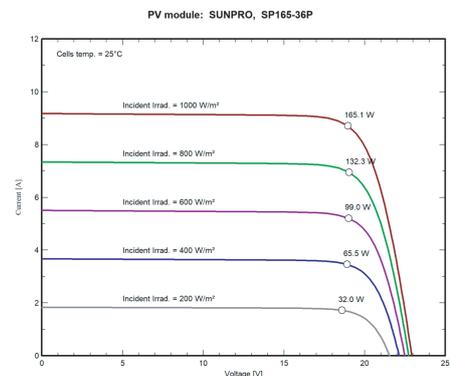
**TEMPERATURE CHARACTERISTICS**

Temp. Coeff. of Isc (TK Isc)	0.060% / °C
Temp. Coeff. of Voc (TK Voc)	-0.31% / °C
Temp. Coeff. of Pmax (TK Pmax)	-0.36% / °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