



**Tier1**

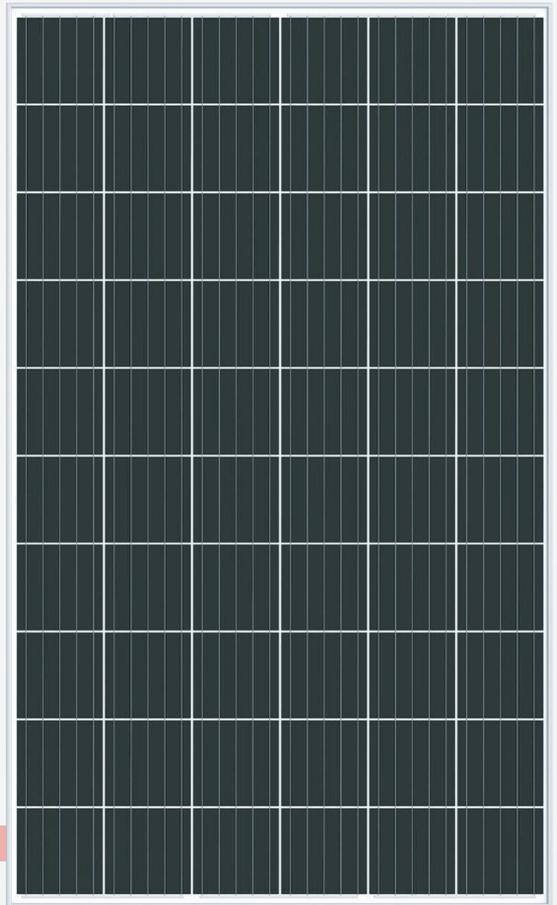
BloombergNEF

*Power the future*

**PERC**

**385-410W**

· Silver frame



UTILITY

C&I

**Module efficiency**

**20.38%**



**Better leveled cost of energy**



**Better high temperature stability**

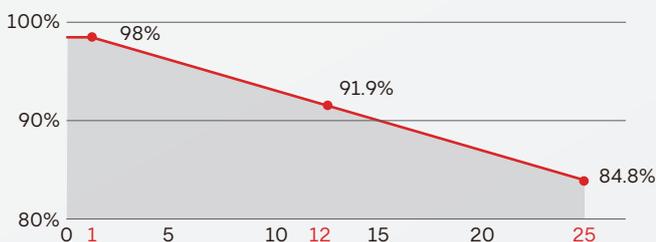


**Improved low-light performance**



**Excellent bifacial performance**

Linear performance guarantee for 30 years



**WARRANTY**

Quality Guarantee **12 years**

Power Warranty **25 years**

**CERTIFICATE**



Model of modules	SP315-60M	SP320-60M	SP325-60M	SP330-60M	SP335-60M	SP340-60M
	STC	STC	STC	STC	STC	STC
Power ( Pmax/W )	315	320	325	330	335	340
Maximum power voltage ( Vmp )	33.20	33.40	33.60	33.80	34.00	34.20
Maximum power current ( Imp )	9.49	9.59	9.67	9.76	9.85	9.94
Open circuit voltage ( Voc )	40.70	40.90	41.50	41.80	42.20	42.60
Short circuit current ( Isc )	10.04	10.15	10.17	10.25	10.32	10.38
Module efficiency	18.88%	19.18%	19.48%	19.78%	20.08%	20.38%

STC ( Electrical parameters at standard test conditions. STC:AM=1.5, 1000W/m<sup>2</sup>, Cells Temperature25°C )

**ELECTRICAL PARAMETERS AT NMOT TEST CONDITIONS**

Front power Pmax/W	234.00	238.00	242.00	245.00	249.00	257.00
Maximum power voltage ( Vmp )	30.80	31.00	31.40	31.77	31.90	32.70
Maximum power current ( Imp )	7.59	7.68	7.69	7.75	7.81	7.86
Open circuit voltage ( Voc )	37.80	38.00	38.60	38.90	39.20	40.10
Short circuit current ( Isc )	8.12	8.20	8.22	8.28	8.34	8.39

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

**STRUCTURAL CHARACTERISTICS**

Module size (L*W*H)	1665x1002x35mm
Weight	17.4 kg
Cell	60 cells,Mono-Crystalline PERC,158.75mm x158.7mm
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 1100mm
Connector	MC4 Compatible IP68
Packing Specification	31 pcs/Pallet ; 868 pcs/40' HQ

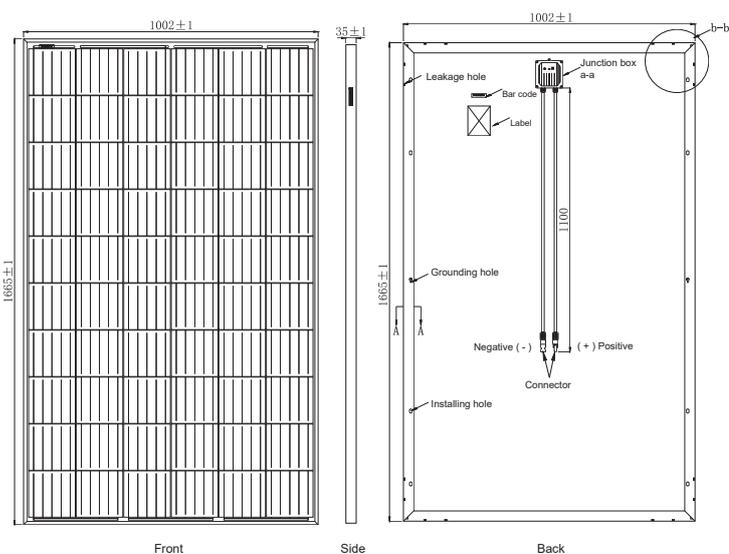
**OPERATING PARAMETERS**

Power tolerance (W)	(0~+5W)
Maximum system voltage (V)	1500(TÜV)
Maximum rated fuse current (A)	20A
Current operating temperature (C)	-40~+85°C
Mechanical load	+5400Pa/-2400Pa

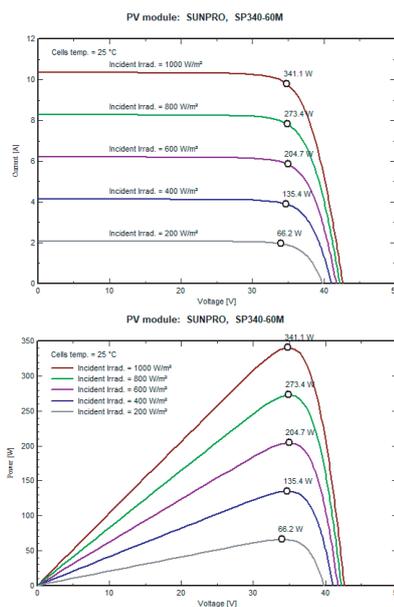
**TEMPERATURE CHARACTERISTICS**

Temp. Coeff. of Isc (TK Isc)	0.049% / °C
Temp. Coeff. of Voc (TK Voc)	-0.29% / °C
Temp. Coeff. of Pmax (TK Pmax)	-0.35% / °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