



Tier1

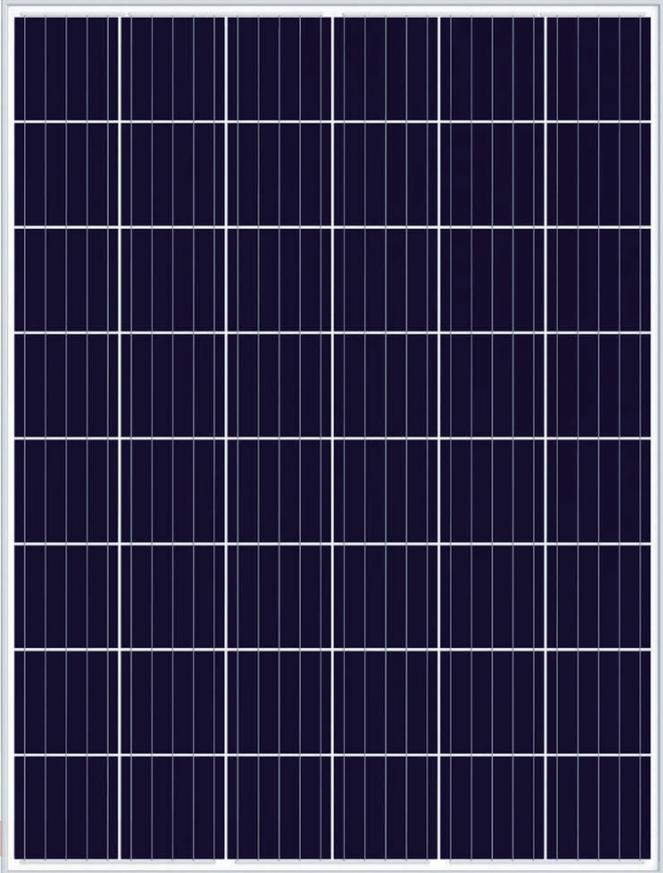
BloombergNEF

Power the future

PERC

215-235W

· Silver frame



 UTILITY

 C&I

Module efficiency

17.95%



Better leveled cost of energy



Better high temperature stability

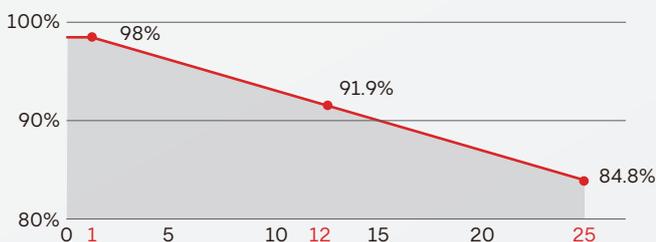


Improved low-light performance



Excellent bifacial performance

Linear performance guarantee for 30 years



WARRANTY

Quality Guarantee **12** years

Power Warranty **25** years

CERTIFICATE



Model of modules	SP215-48P	SP220-48P	SP225-48P	SP230-48P	SP235-48P
	STC	STC	STC	STC	STC
Power (Pmax/W)	215	220	225	230	235
Maximum power voltage (Vmp)	24.70	24.90	25.10	25.40	25.60
Maximum power current (Imp)	8.71	8.85	8.97	9.05	9.18
Open circuit voltage (Voc)	30.30	30.80	31.00	31.20	31.60
Short circuit current (Isc)	9.18	9.25	9.38	9.46	9.56
Module efficiency	16.42%	16.80%	17.18%	17.56%	17.95%

STC (Electrical parameters at standard test conditions. STC:AM=1.5, 1000W/m², Cells Temperature 25°C)

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	1320x992x35mm
Weight	13.7 kg
Cell	54 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 ²
Wire length	Line length 900mm
Connector	MC4 Compatible IP68
Packing Specification	31 pcs/Pallet ; 1054 pcs/40' HQ

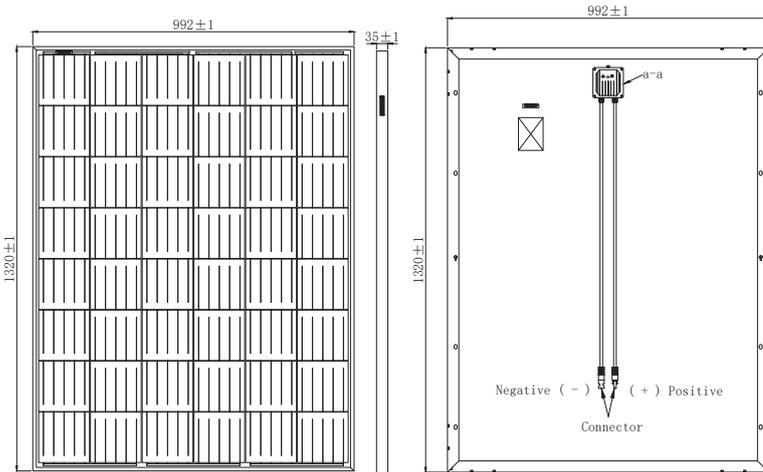
OPERATING PARAMETERS

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

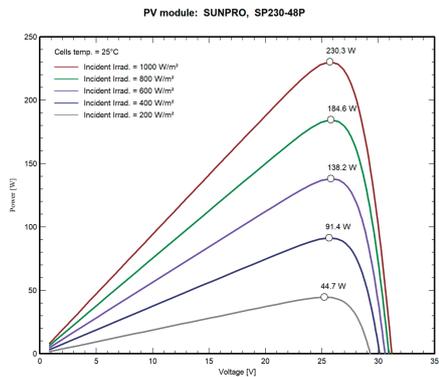
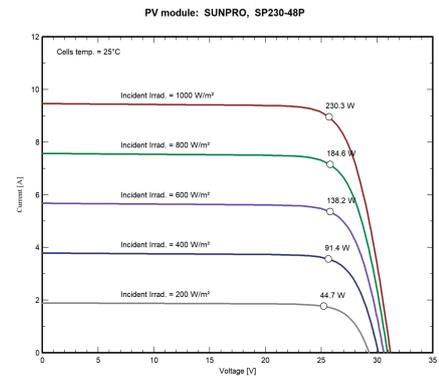
TEMPERATURE CHARACTERISTICS

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