



Tier1

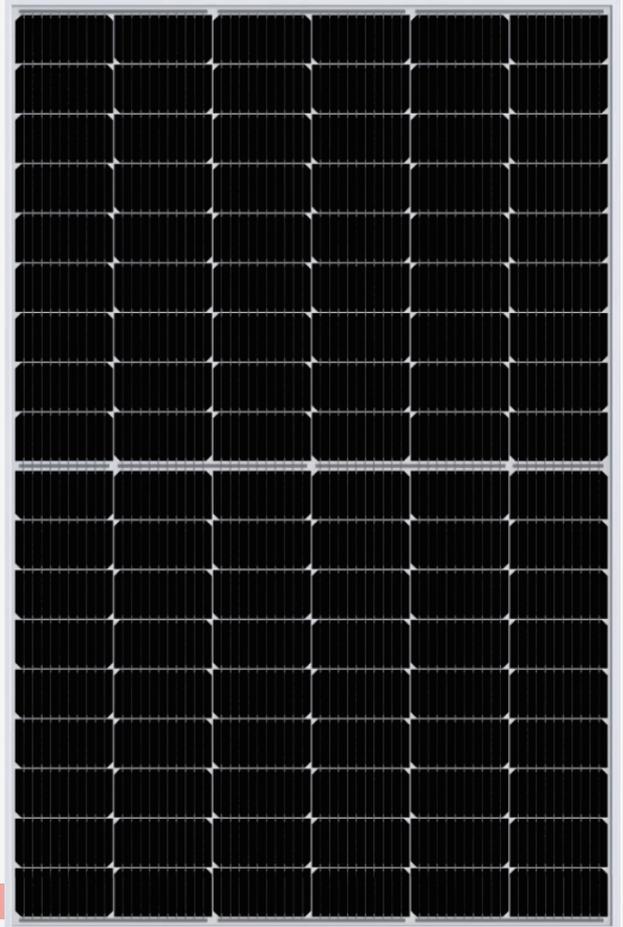
BloombergNEF

Power the future

PERC

395-420W

· Silver frame



 UTILITY

 C&I

Module efficiency

21.48%



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



ELECTRIC CHARACTERISTICS

SP (395/420W)-108M10

Model of modules	SP405-108M10	SP405-108M10	SP405-108M10	SP405-108M10	SP405-108M10	SP405-108M10
	STC	STC	STC	STC	STC	STC
Power (Pmax/W)	395	400	405	410	415	420
Maximum power voltage (Vmp)	30.62	30.83	31.04	31.25	31.47	31.69
Maximum power current (Imp)	12.90	12.98	13.05	13.12	13.19	13.26
Open circuit voltage (Voc)	36.73	36.93	37.13	37.33	37.53	37.73
Short circuit current (Isc)	13.69	13.76	13.83	13.90	13.97	14.04
Module efficiency	20.72%	20.97%	20.72%	20.97%	21.23%	21.48%

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

ELECTRICAL PARAMETERS AT NMOT TEST CONDITIONS

Front power Pmax/W	294	298	301	305	309	313
Maximum power voltage (Vmp)	28.30	28.40	28.60	28.8	29.00	29.20
Maximum power current (Imp)	10.4	10.46	10.52	1058	10.65	10.71
Open circuit voltage (Voc)	32.4	34.50	34.60	34.80	35.00	35.20
Short circuit current (Isc)	11.04	11.09	11.15	11.20	11.26	11.32

NMOT (Irradiance 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s)

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	1722x1134x30mm
Weight	20.3kg
Cell	108 cells, Mono-Crystalline PERC, 182mm x 91mm
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 1100mm
Connector	MC4 Compatible IP68
Packing Specification	36 pcs/Pallet ; 936 pcs/40' HQ

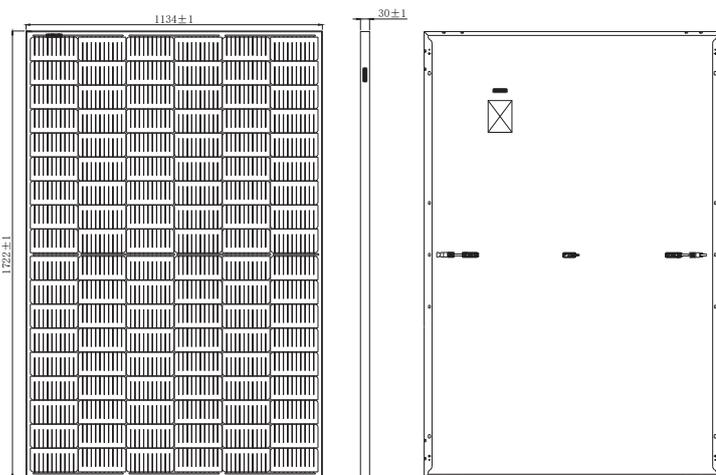
OPERATING PARAMETERS

Power tolerance (W)	(0~+5W)
Maximum system voltage (V)	1500(TÜV,UL) / 1000V(CUL)
Maximum rated fuse current (A)	25A
Current operating temperature (C)	-40~+85°C
Mechanical load	+5400Pa/-2400Pa

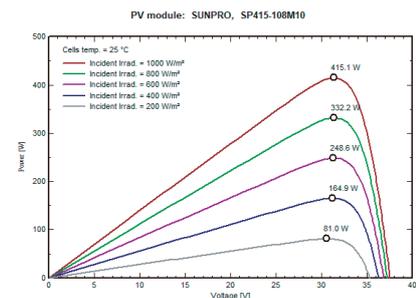
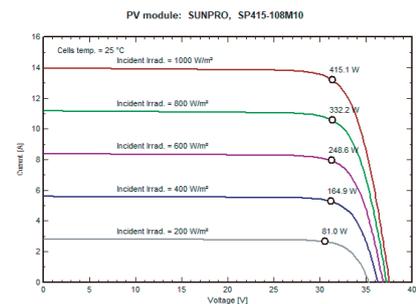
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc (TK Isc)	0.048% / °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