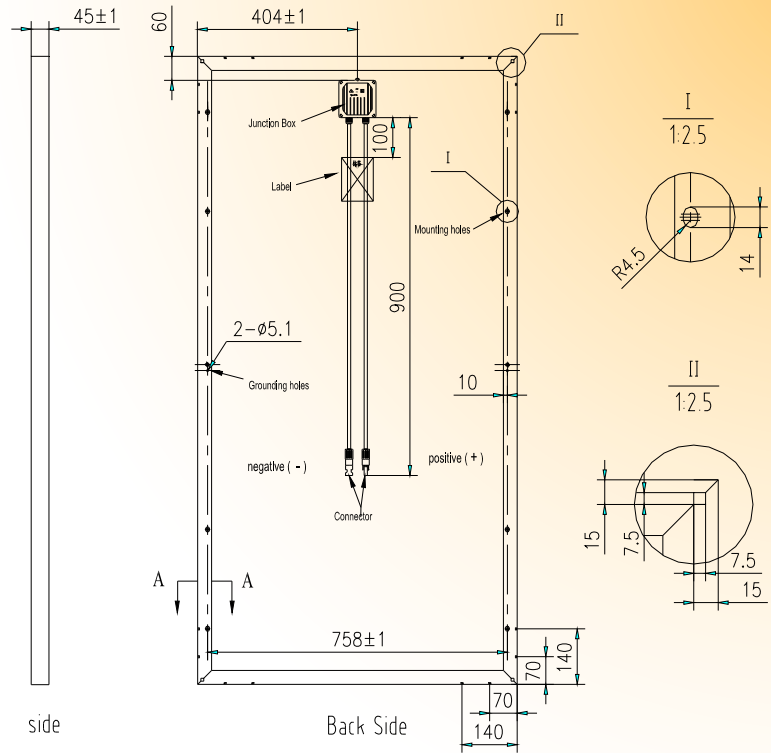
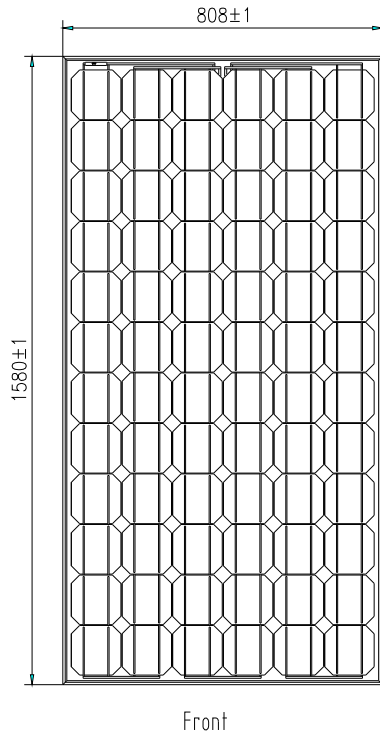


SES72M***W(125) —Module Specifications

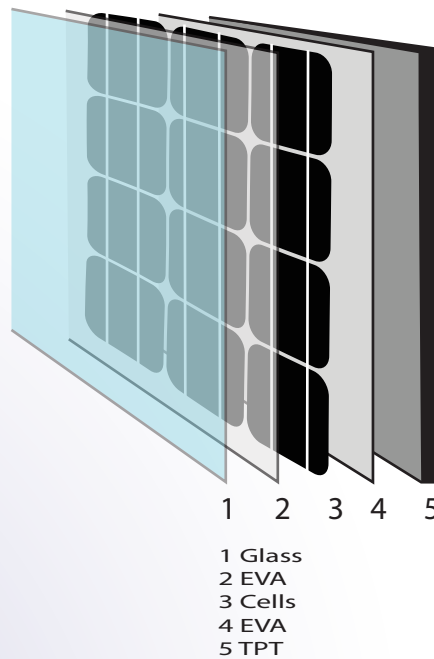
1. Electrical characteristics

Parameters(W)	160	165	170	175	180	185	190
Open circuit voltage Voc(V)	42.00	42.00	42.60	42.60	43.20	43.20	43.80
Max. power voltage Vmp(V)	35.00	35.00	35.50	35.50	36.00	36.00	36.50
Max. power current Imp(A)	4.57	4.71	4.79	4.93	5.00	5.14	5.20
Short circuit current Isc(A)	5.12	5.28	5.36	5.52	5.60	5.76	5.83
Power Tolerance	Positive Tolerance: +3%, -0						
Module Efficiency(%)	12.53	12.92	13.32	13.71	14.10	14.49	14.88
Cell Efficiency (%)	14.96	15.42	15.89	16.36	16.83	17.29	17.76
Cell Technology	125mm ×125mm Mono-Si						
Number of Cells(Pcs)	72(6×12)						
Dimensions(LxWxH)(mm)	1580×808×45/40/35						
Weigh(kg)	15.5						
STC	Irradiance:1000W/m ² , Temperature:25℃, AM1.5						
Max. over-current(A)	10						
Max. system voltage(V)	1000VDC / 600VDC (UL)						
Operating Temperature	-40℃~85℃						
Nominal Operating Cell Temp.	45±2℃						
Temp.Coefficient Isc (TK Isc)	0.05%/K						
Temp.Coefficient Voc (TK Voc)	-0.33%/K						
Temp.Coefficient Power (TK Pm ax)	-0.38%/K						
Application Class	Class A						
Fire rating	Class C						
Junction box protection class	IP65						
Output Cables	dia:4mm; length:900mm						
Maximum surface pressure	5400Pa						
Insulation resistance	>200MΩ						
To withstand hail	Diameter of 25mm of ice pellet, impact test speed of 23m / s						
Power down rate of decline for 10 years	≤10%						
Power down rate of decline for 25 years	≤20%						
Packing	20pcs x 1Carton / Pallet						
Transportation	640pcs / 40ft Container						

2. Basic Dimensions

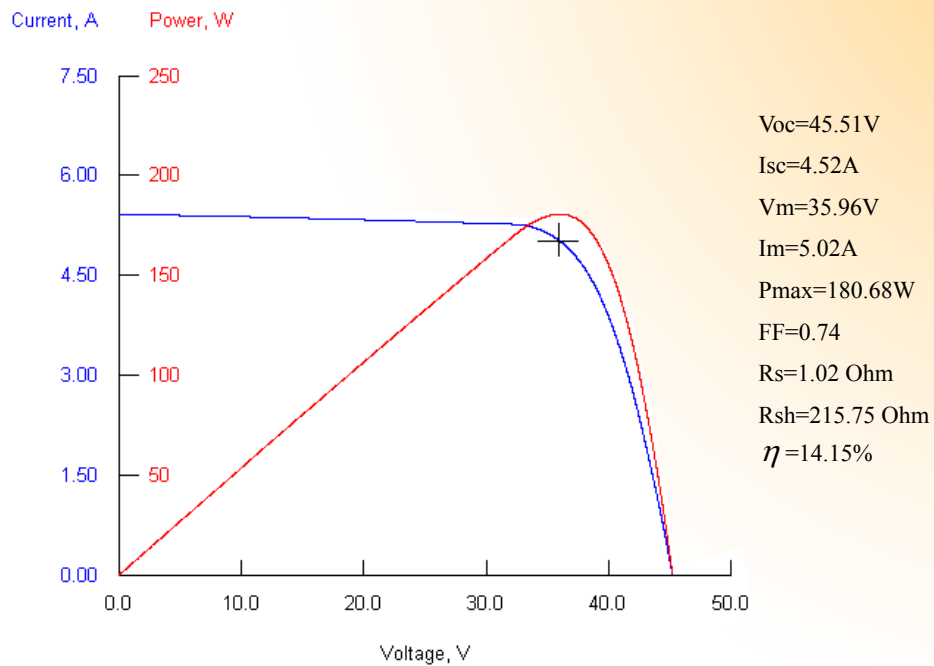


3. Packaging Materials

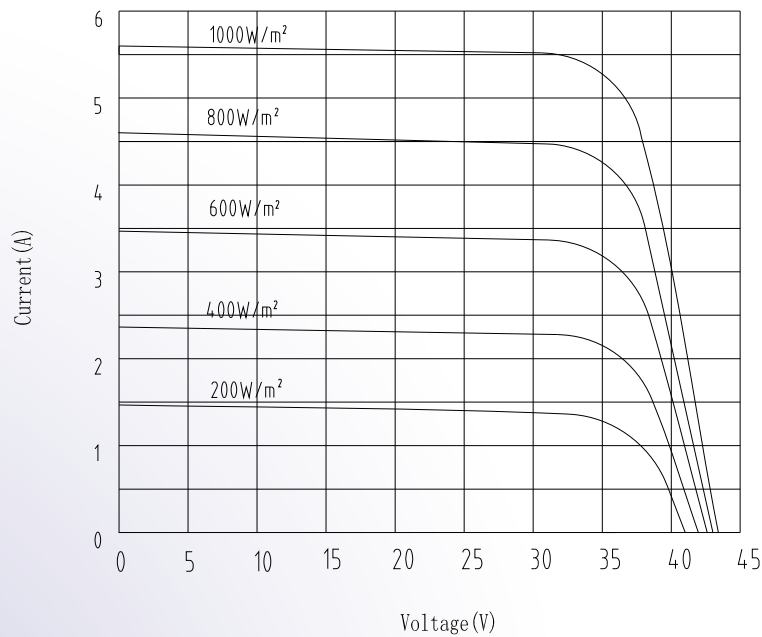


4. I-V characteristic curve

4.1 I-V characteristic curve of module at STC

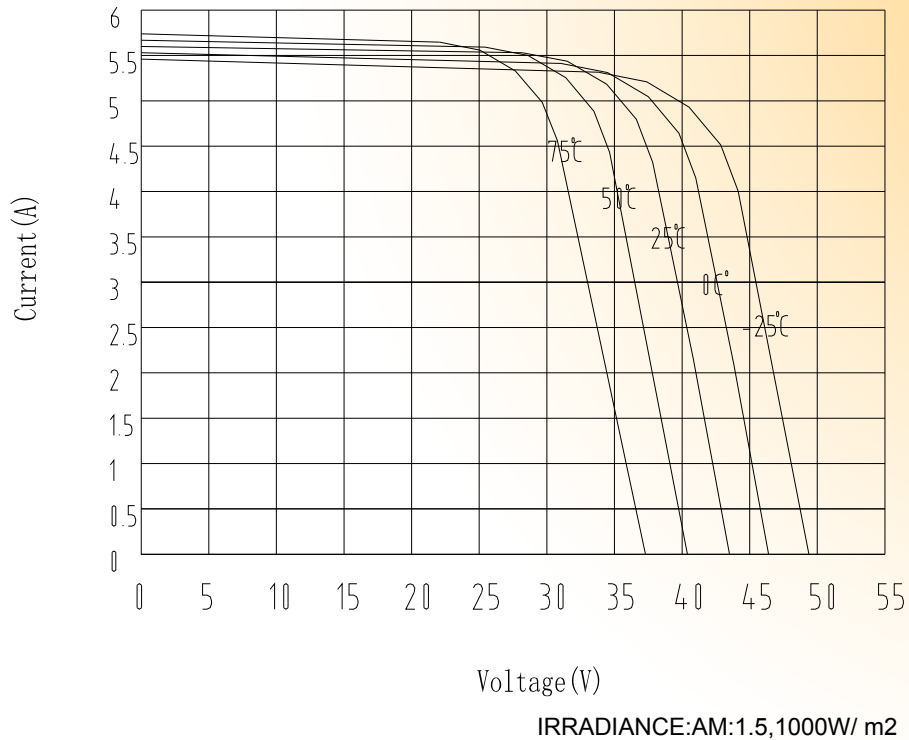


4.2 I-V characteristic curve at various irradiance levels



CELL TEMP:25°C

4.3 I-V characteristic curve at various cell temperatures



Canada:
 - Waterloo, ON
 - Georgetown, ON

China:
 - Hong Kong, SAR
 - Macau, SAR



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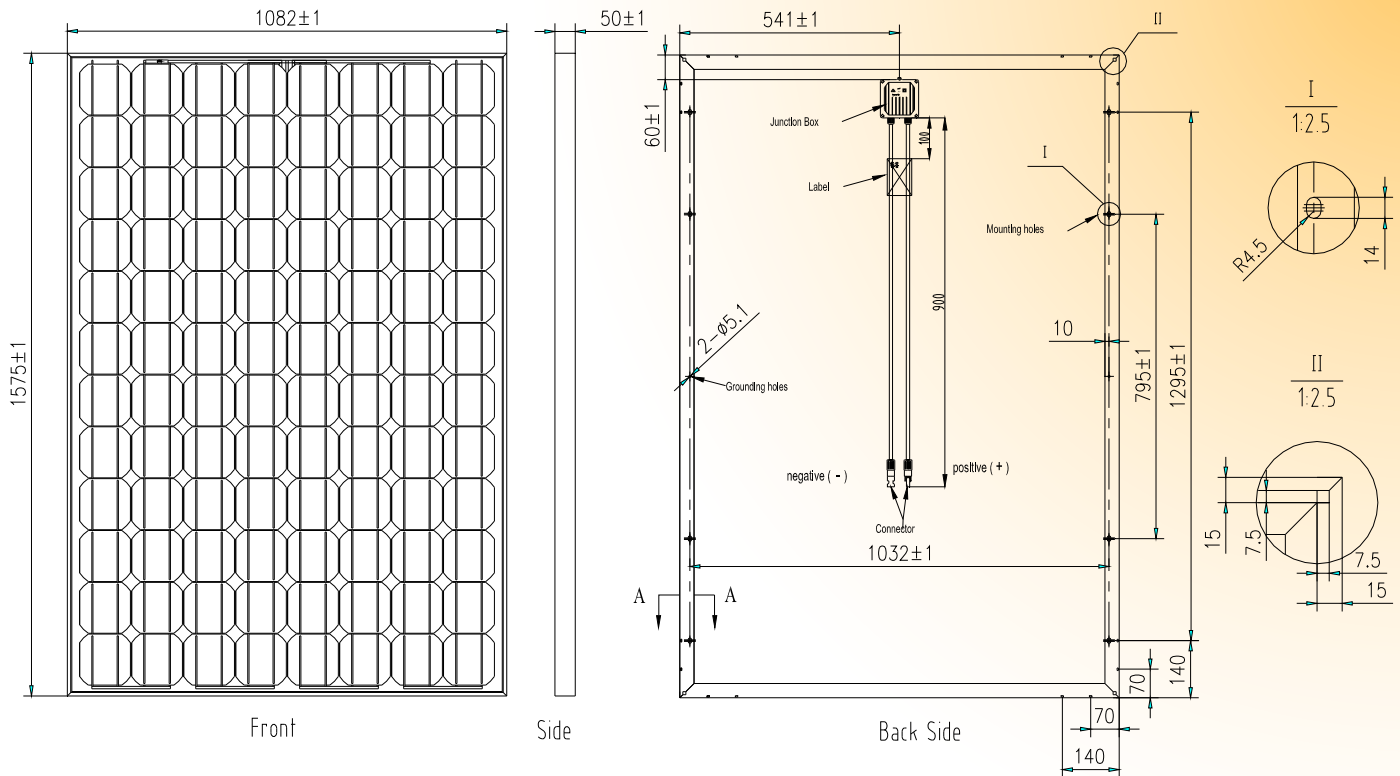


SES96M***W(125)—Module Specifications

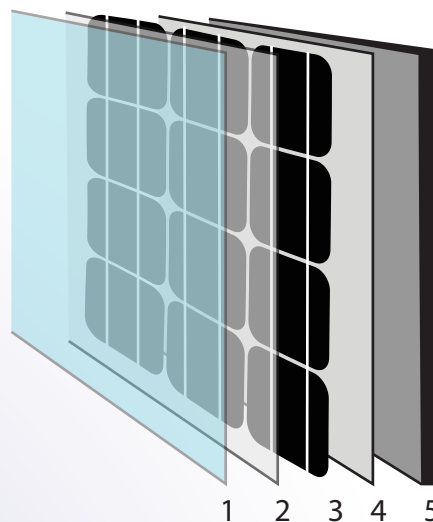
1. Electrical characteristics

Parameters (W)	200	205	210	215	220	225	230	235	240
Open circuit voltage Voc(V)	56.40	56.40	57.00	57.00	57.60	57.60	57.60	58.20	58.20
Max. power voltage Vmp(V)	47.00	47.00	47.50	47.50	48.00	48.00	48.00	48.50	48.50
Max. power current Imp(A)	4.26	4.36	4.42	4.53	4.58	4.69	4.79	4.85	4.95
Short circuit current Isc(A)	4.77	4.88	4.95	5.07	5.13	5.25	5.36	5.43	5.55
Power Tolerance	Positive Tolerance: +3%, -0								
Module Efficiency(%)	11.74	12.03	12.32	12.62	12.91	13.20	13.50	13.79	14.08
Cell Efficiency (%)	14.31	14.67	15.02	15.38	15.74	16.10	16.46	16.81	17.17
Cell Technology	125mm × 125mm Mono-Si								
Number of Cells(Pcs)	96(8×12)								
Dimensions(LxWxH)(mm)	1575×1082×50/45/40								
Weigh(kg)	21.5								
STC	Irradiance:1000W/m ² , Temperature:25℃, AM1.5								
Max. over-current(A)	10								
Max. system voltage(V)	1000VDC								
Operating Temperature	-40℃~85℃								
Nominal Operating Cell Temp.	45±2℃								
Temp.Coefficient Isc (TK Isc)	0.05%/K								
Temp.Coefficient Voc (TK Voc)	-0.33%/K								
Temp.Coefficient Power (TK Pmax)	-0.38%/K								
Application Class	Class A								
Fire rating	Class C								
Junction box protection class	IP65								
Output Cables	dia:4mm; length:900mm								
Maximum surface pressure	5400Pa								
Insulation resistance	>200MΩ								
To withstand hail	Diameter of 25mm of ice pellet, impact test speed of 23m / s								
Power down rate of decline for 10 years	≤10%								
Power down rate of decline for 25 years	≤20%								
Packing	20pcs x 1Carton / Pallet								
Transportation	640pcs / 40ft Container								

2. Basic Dimensions



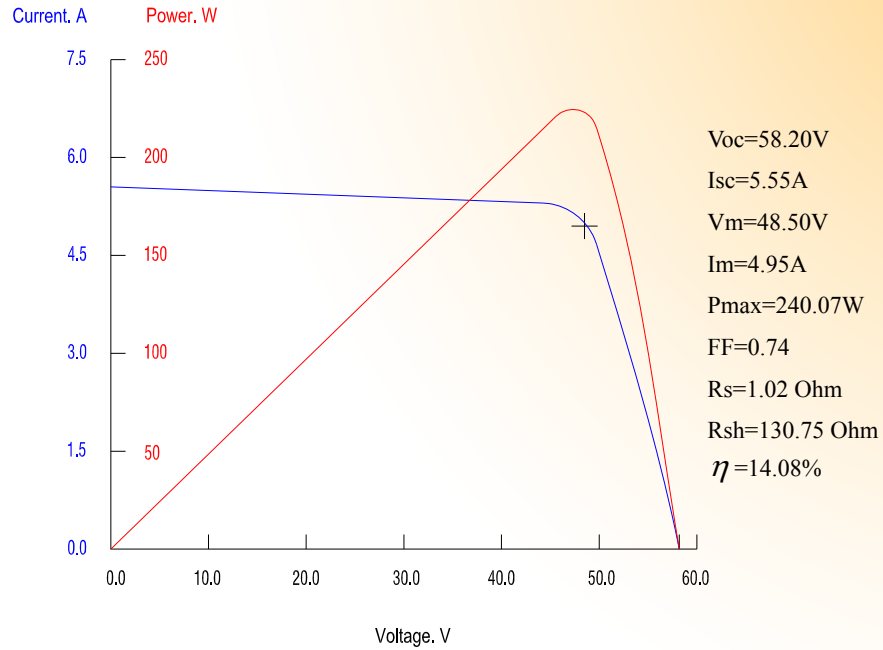
3. Packaging Materials



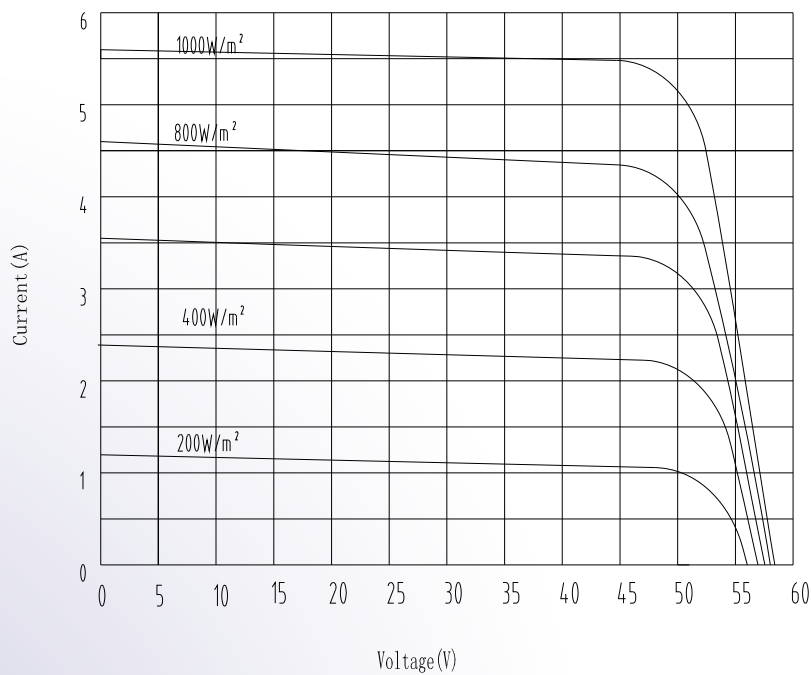
- 1 Glass
- 2 EVA
- 3 Cells
- 4 EVA
- 5 TPT

4. I-V characteristic curve

4.1 I-V characteristic curve of module at STC

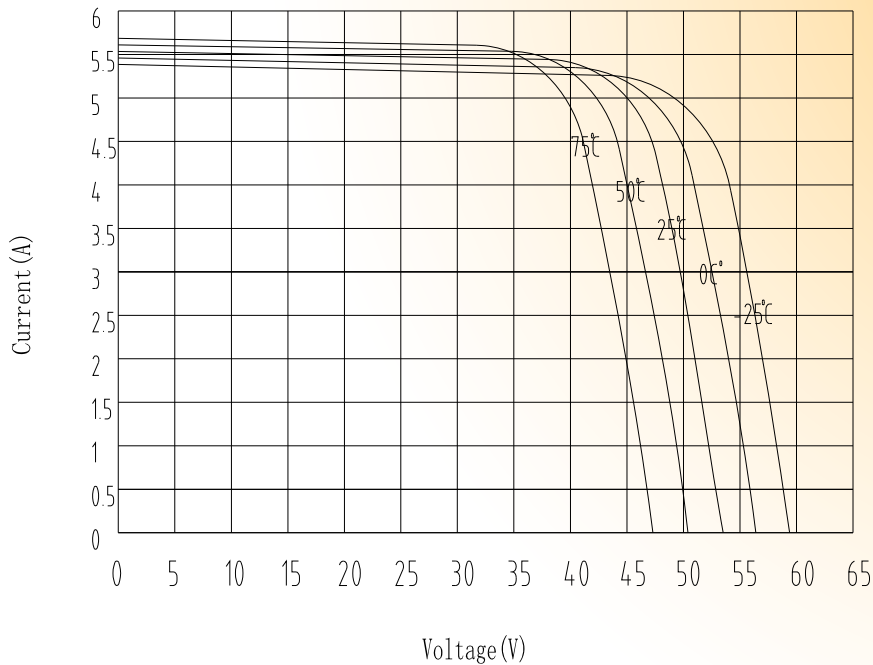


4.2 I-V characteristic curve at various irradiance levels



CELL TEMP: 25°C

4.3 I-V characteristic curve at various cell temperatures



IRRADIANCE:AM:1.5,1000W/ m2



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China:
 - Hong Kong, SAR
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