

SV5M72—Module Specifications:

1. Electrical characteristics

1.1 Electrical characteristics at STC

P_{max} , V_{oc} , I_{sc} , V_{mp} and I_{mp} at STC ($1000W/m^2$, $25\pm 2^\circ C$, AM 1.5);

All electrical specifications are +/-3%.

Maximum Power (P_{max})	170W	175W	180W	185W	190W	195W	200W
Open Circuit Voltage (V_{oc})	43.6V	43.8V	44.0V	44.2V	44.5V	44.8V	45.0V
Short Circuit Current (I_{sc})	5.00A	5.15A	5.30A	5.40A	5.50A	5.60A	5.70A
Maximum Power Voltage (V_{mp})	35.6V	35.8V	36.0V	36.1V	36.2V	36.4V	36.6V
Maximum Power Current (I_{mp})	4.78A	4.89A	5.00A	5.13A	5.25A	5.36A	5.47A
Module Efficiency (%)	13.3	13.7	14.1	14.5	14.9	15.3	15.7
Cell Efficiency (%)	15.3	15.7	16.2	16.6	17.1	17.5	18.0

1.2 Electrical characteristics at NOCT

P_{max} , V_{oc} , I_{sc} , V_{mp} and I_{mp} at $800W/m^2$, $45\pm 3^\circ C$, AM 1.5;

All electrical specifications are +/-3%.

Maximum Power (P_{max})	123W	127W	130W	135W	138W	142W	146W
Open Circuit Voltage (V_{oc})	39.3V	39.4V	39.6V	39.8V	40.0V	40.3V	40.5V
Short Circuit Current (I_{sc})	4.04A	4.16A	4.28A	4.36A	4.44A	4.52A	4.60A
Maximum Power Voltage (V_{mp})	32.1V	32.2V	32.4V	32.5V	32.6V	32.8V	32.9V
Maximum Power Current (I_{mp})	3.86A	3.95A	4.04A	4.15A	4.24A	4.33A	4.42A

1.3 Temperature Coefficients

Temperature Coefficients of P	-0.4%/°C
Temperature Coefficients of V	-0.38%/°C
Temperature Coefficients of I	+0.04%/°C

1.4 Maximum System Voltage

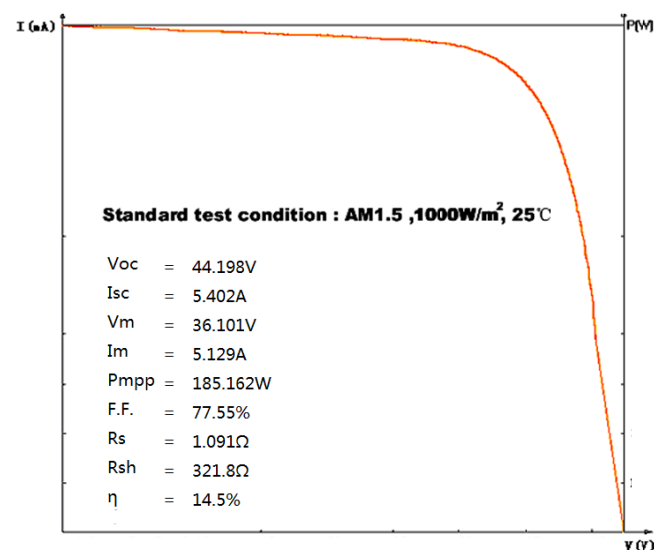
Maximum System Voltage	1000V
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2. Mechanical characteristics

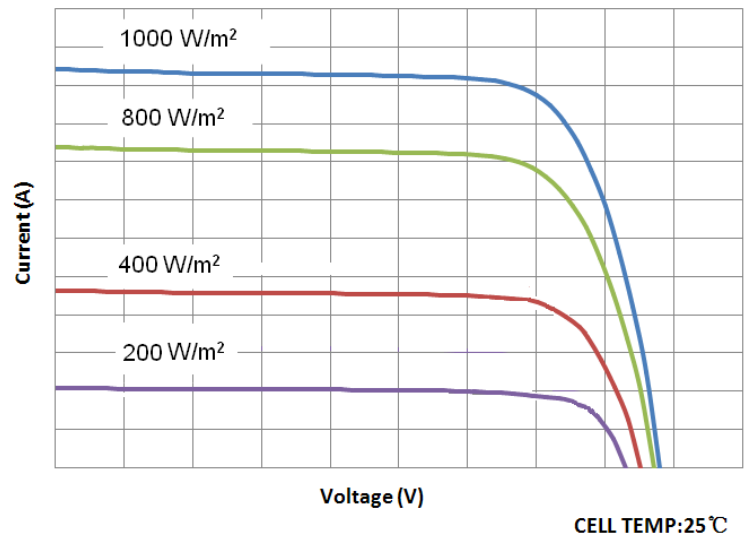
Cell Technology	125mmx125mm Mono-Si
Number of Cells (Pcs)	72 (6x12)
Dimensions	1580mmx808mmx40mm
Output Cables	dia.: 4mm; length: 900mm
Weight	15kg
Frame	Aluminum-alloy
Front / Encapsulant / Back	tempered glass / EVA / PPE

3. I-V characteristic curve

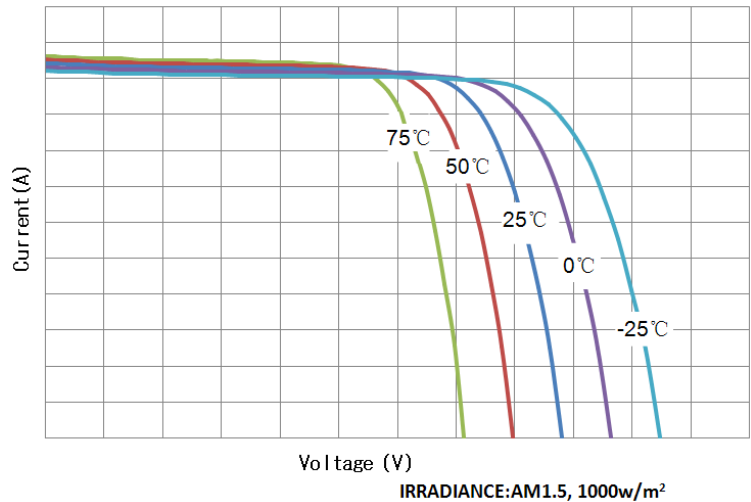
3.1 I-V characteristic curve of module at STC



3.2 I-V characteristics curve at various irradiance levels



3.3 I-V characteristics curve at various cell temperatures



4. Basic Dimensions

