

SV6M72—Module Specifications:

1. Electrical characteristics

1.1 Electrical characteristics at STC

P_{max} , V_{oc} , I_{sc} , V_{mp} and I_{mp} at STC ($1000W/m^2$, $25\pm2^\circ C$, AM 1.5);

All electrical specifications are +/-3%.

Maximum Power (P_{max})	255W	265W	275W	285W	295W	305W
Open Circuit Voltage (V_{oc})	43.9V	44.1V	44.5V	44.7V	44.9V	45.0V
Short Circuit Current (I_{sc})	7.87A	8.10A	8.29A	8.52A	8.71A	8.82A
Maximum Power Voltage (V_{mp})	34.9V	35.2V	35.6V	35.8V	36.1V	36.3V
Maximum Power Current (I_{mp})	7.31A	7.53A	7.37A	7.96A	8.18A	8.41A
Module Efficiency (%)	13.1	13.7	14.2	14.7	15.2	15.7
Cell Efficiency (%)	14.9	15.5	16	16.6	17.2	17.8

1.2 Electrical characteristics at NOCT

P_{max} , V_{oc} , I_{sc} , V_{mp} and I_{mp} at $800W/m^2$, $45\pm3^\circ C$, AM 1.5;

All electrical specifications are +/-3%.

Maximum Power (P_{max})	186W	193W	200W	208W	215W	222W
Open Circuit Voltage (V_{oc})	39.5V	39.7V	40.1V	40.2V	41.4V	41.5V
Short Circuit Current (I_{sc})	6.36A	6.55A	6.70A	6.89A	7.04A	7.13A
Maximum Power Voltage (V_{mp})	31.4V	31.7V	32.1V	32.2V	32.5V	32.7V
Maximum Power Current (I_{mp})	5.91A	6.11A	6.25A	6.44A	6.61A	6.80A

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

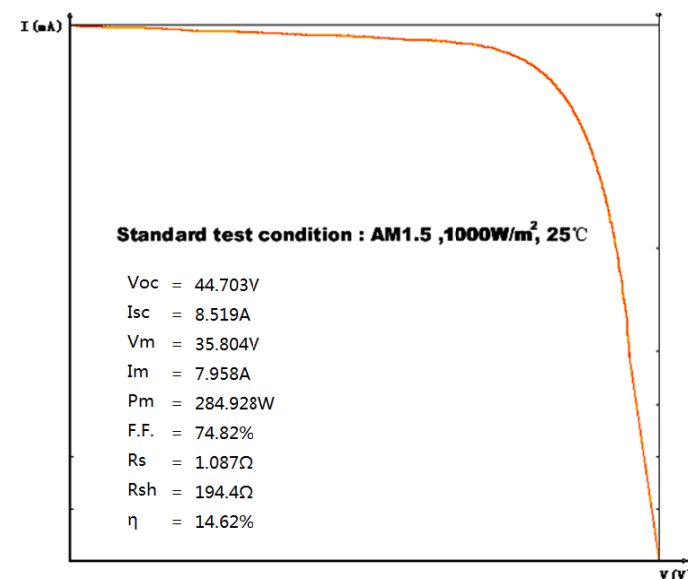
Maximum System Voltage	1000V
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2. Mechanical characteristics

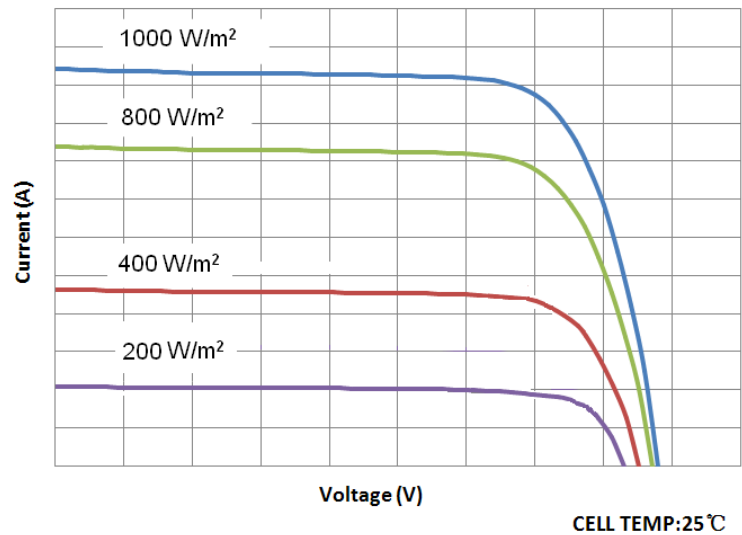
Cell Technology	156mm×156mm Mono-Si
Number of Cells (Pcs)	72(6×12)
Dimensions	1956mm×992mm×50mm
Output Cables	dia.: 4mm; length: 900mm
Weight	22.5kg
Frame	aluminum-alloy
Front / Encapsulant / Back	tempered glass / EVA / PPE

3. I-V characteristic curve

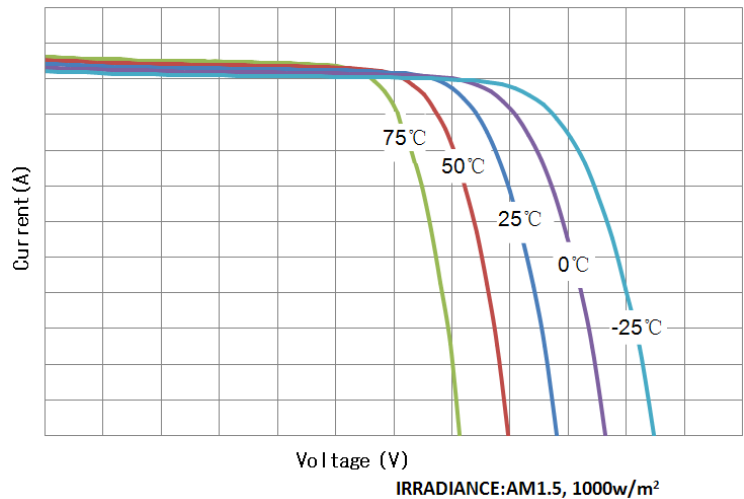
3.1 I-V characteristic curve of module at STC



3.2 I-V characteristics curve at various irradiance levels



3.3 I-V characteristics curve at various cell temperatures



4. Basic Dimensions

