

SV6P72—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})	43.7V	43.9V	44.2V	44.5V	44.7V	44.8V
Short Circuit Current (I_{sc})	7.90A	8.14A	8.35A	8.58A	8.74A	8.89A
Maximum Power Voltage (V_{mp})	34.7V	35.1V	35.5V	35.7V	36.0V	36.2V
Maximum Power Current (I_{mp})	7.35A	7.55A	7.75A	7.99A	8.20A	8.43A
Module Efficiency (%)	13.1	13.7	14.2	14.7	15.2	15.7
Cell Efficiency (%)	14.6	15.2	15.7	16.3	16.9	17.5

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})	39.4V	39.6V	39.8V	40.1V	41.2V	41.3V
Short Circuit Current (I_{sc})	6.38A	6.58A	6.75A	6.93A	7.10A	7.20A
Maximum Power Voltage (V_{mp})	31.3V	31.6V	32.0V	32.2V	32.4V	32.6V
Maximum Power Current (I_{mp})	5.94A	6.10A	6.26A	6.46A	6.63A	6.82A

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

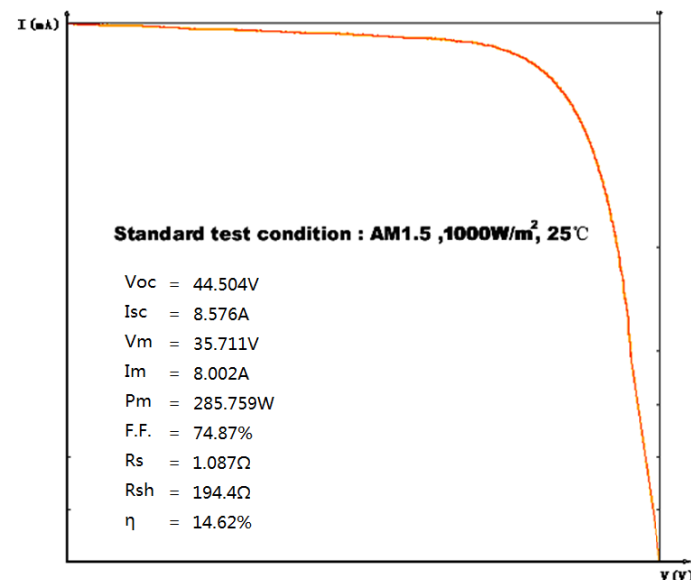
Maximum System Voltage	1000V
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2. Mechanical characteristics

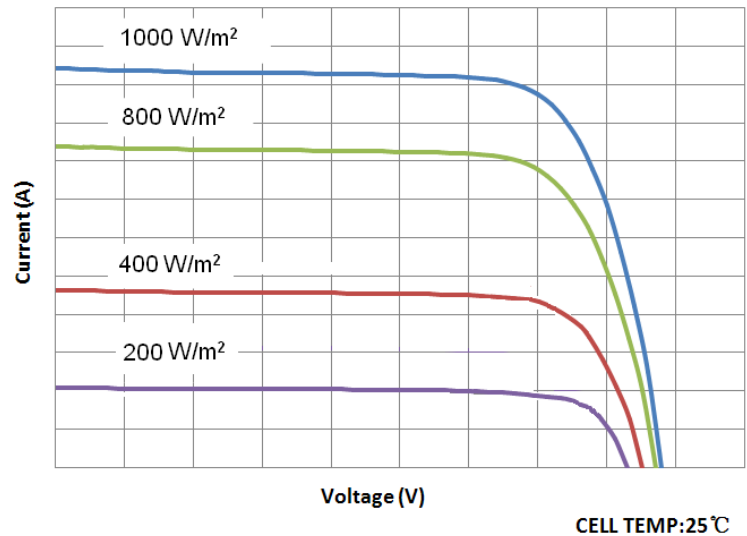
Cell Technology	156mm×156mm Poly-Si
Number of Cells (Pcs)	72(6×12)
Dimensions	1956mm×992mm×50mm
Output Cables	dia.: 4mm; length: 900mm
Weight	22.5kg
Frame	aluminum-alloy
Front / Encapsulant / Back	tempered glass / EVA / PPE

3. I-V characteristic curve

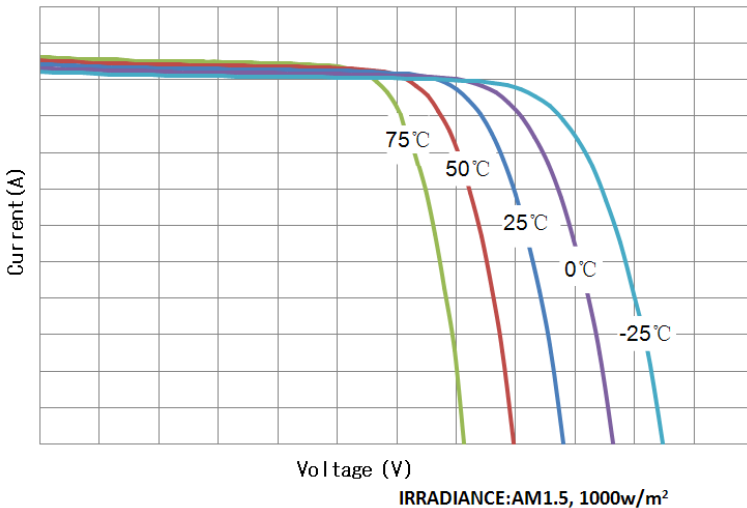
3.1 I-V characteristic curve of module at STC



3.2 I-V characteristics curve at various irradiance levels



3.3 I-V characteristics curve at various cell temperatures (75°C, 50°C, 25°C, 0°C, -25°C) at AM1.5, 1000 W/m² irradiance.



4. Basic Dimensions

