

SV5M96—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})	220W	230W	240W	250W	260W
Open Circuit Voltage (V_{oc})	58.2V	58.4V	58.6V	59.0V	59.7V
Short Circuit Current (I_{sc})	4.90A	5.10A	5.30A	5.45A	5.60A
Maximum Power Voltage (V_{mp})	47.1V	47.5V	48.0V	48.2V	48.5V
Maximum Power Current (I_{mp})	4.68A	4.85A	5.00A	5.19A	5.36A
Module Efficiency (%)	13	13.5	14.1	14.7	15.3
Cell Efficiency (%)	14.9	15.5	16.2	16.9	17.8

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})	161W	168W	175W	182W	190W
Open Circuit Voltage (V_{oc})	52.4V	52.6V	52.8V	53.1V	53.7V
Short Circuit Current (I_{sc})	3.96A	4.12A	4.28A	4.41A	4.53A
Maximum Power Voltage (V_{mp})	42.4V	42.8V	43.2V	43.4V	43.7V
Maximum Power Current (I_{mp})	3.79A	3.95A	4.04A	4.20A	5.35A

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

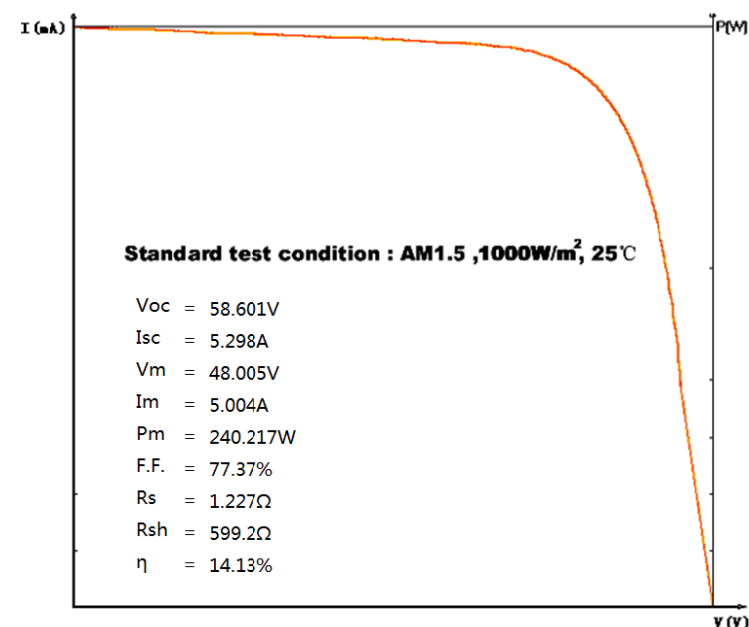
Maximum System Voltage	1000V
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2. Mechanical characteristics

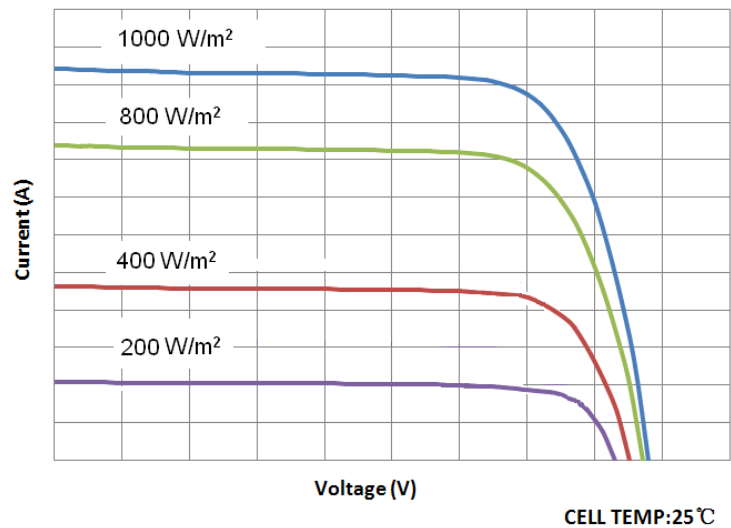
Cell Technology	125mmx125mm Mono-Si
Number of Cells (Pcs)	96 (8x12)
Dimensions	1602mmx1061mmx50mm
Output Cables	dia.: 4mm; length: 900mm
Weight	20kg
Frame	Aluminum-alloy
Front / Encapsulant / Back	tempered glass / EVA / PPE

3. I-V characteristic curve

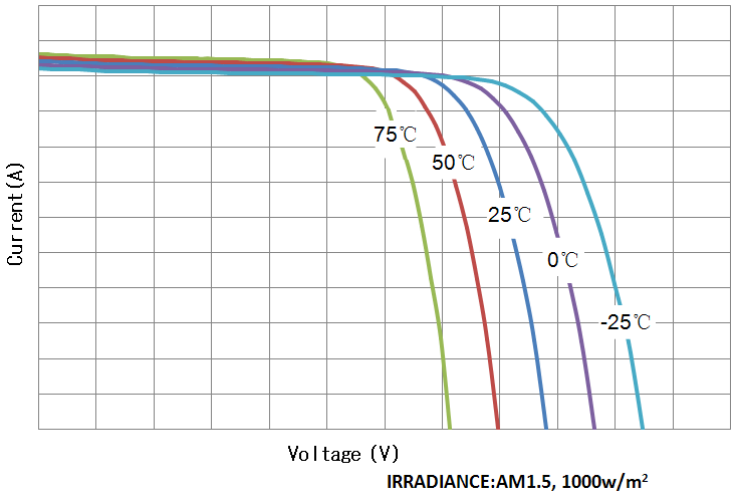
3.1 I-V characteristic curve of module at STC



3.2 I-V characteristics curve at various irradiance levels



3.3 I-V characteristics curve at various cell temperatures



4. Basic Dimensions

