

SV6P54—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})	180W	190W	200W	210W	220W
Open Circuit Voltage (V_{oc})	32.1V	32.3V	32.7V	33.2V	33.5V
Short Circuit Current (I_{sc})	7.66A	7.80A	8.15A	8.45A	8.80A
Maximum Power Voltage (V_{mp})	25.9V	26.0V	26.3V	26.7V	27.0V
Maximum Power Current (I_{mp})	6.95A	7.31A	7.61A	7.87A	8.15A
Module Efficiency (%)	12.2	12.9	13.6	14.3	14.9
Cell Efficiency (%)	13.7	14.5	15.3	16	16.8

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})	131W	128W	146W	153W	160W
Open Circuit Voltage (V_{oc})	28.9V	29.1V	29.4V	29.6V	30.1V
Short Circuit Current (I_{sc})	6.19A	6.30A	6.59A	6.83A	7.10A
Maximum Power Voltage (V_{mp})	23.3V	23.4V	23.7V	24.1V	24.3V
Maximum Power Current (I_{mp})	5.62A	5.91A	6.15A	6.38A	6.59A

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

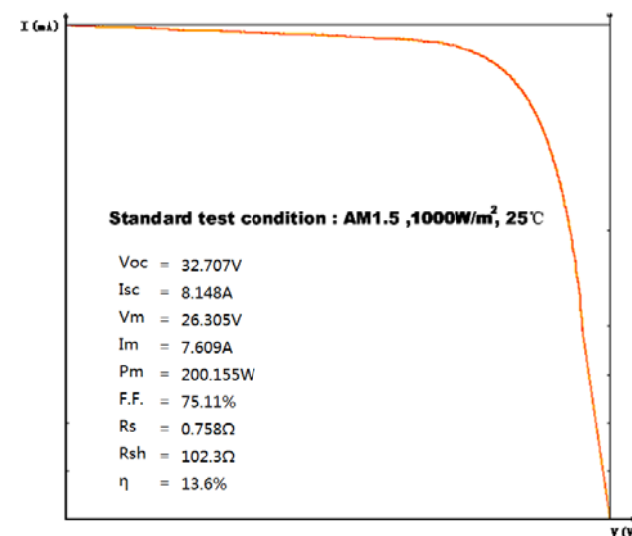
Maximum System Voltage	1000V
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2. Mechanical characteristics

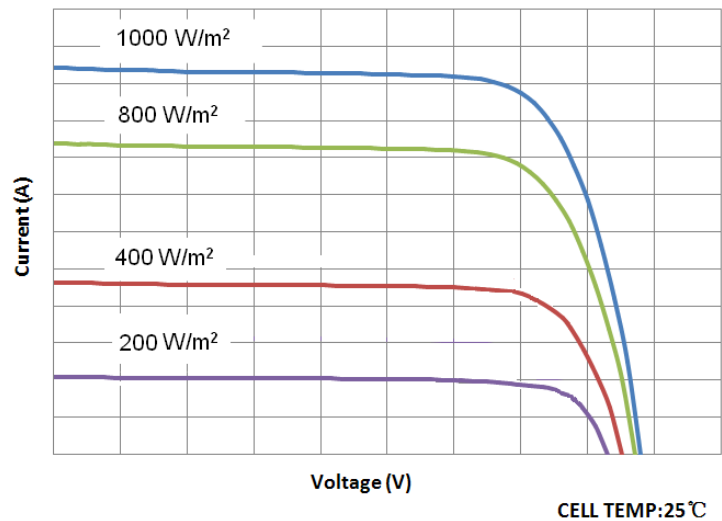
Cell Technology	156mm×156mm Poly-Si
Number of Cells (Pcs)	54 (6×9)
Dimensions	1484mm×992mm×40mm
Output Cables	dia.: 4mm; length: 900mm
Weight	17.5kg
Frame	Aluminum-alloy
Front / Encapsulant / Back	tempered glass / EVA / PPE

3. I-V characteristic curve

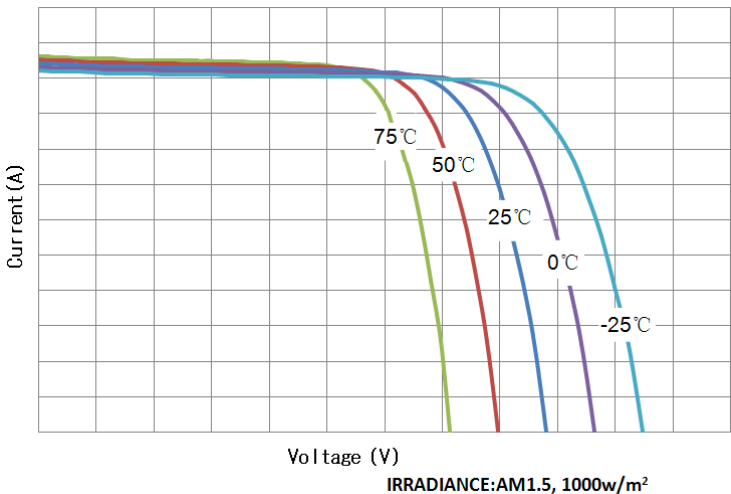
3.1 I-V characteristic curve of module at STC



3.2 I-V characteristics curve at various irradiance levels



3.3 I-V characteristics curve at various cell temperatures



4. Basic Dimensions

