

## SV5M36—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 ( $P_{max}$ )	80W	85W	90W	95W	100W
Open Circuit Voltage ( $V_{oc}$ )	21.6V	21.8V	22.0V	22.1V	22.1V
Short Circuit Current ( $I_{sc}$ )	4.90A	5.00A	5.30A	5.45A	5.60A
Maximum Power Voltage ( $V_{mp}$ )	17.6V	17.8V	18.0V	18.1V	18.2V
Maximum Power Current ( $I_{mp}$ )	4.55A	4.80A	5.00A	5.25A	5.30A
Module Efficiency (%)	12.2	12.9	13.7	14.4	15.2
Cell Efficiency (%)	14.4	15.3	16.2	17.1	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 ( $P_{max}$ )	58W	62W	65W	69W	71W
Open Circuit Voltage ( $V_{oc}$ )	19.4V	19.6V	19.8V	19.9V	19.9V
Short Circuit Current ( $I_{sc}$ )	3.96A	4.04A	4.28A	4.41A	4.53A
Maximum Power Voltage ( $V_{mp}$ )	15.9V	16.0V	16.2V	16.3V	16.4V
Maximum Power Current ( $I_{mp}$ )	3.68A	3.88A	4.04A	4.25A	4.29A

#### 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

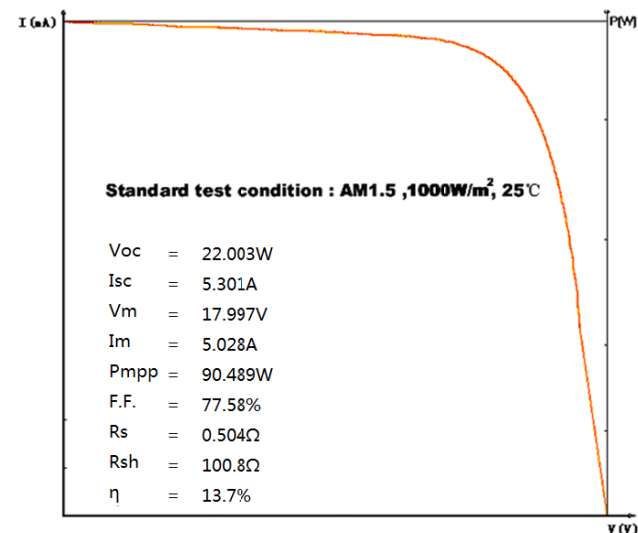
Maximum System Voltage	1000V
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### 2. Mechanical characteristics

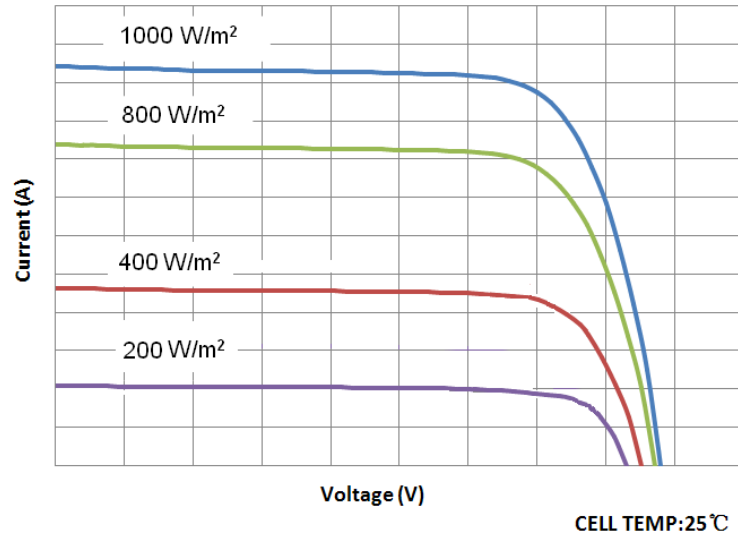
Cell Technology	125mm × 125mm	Mono-Si
Number of Cells (Pcs)	36 (4 × 9)	
Dimensions	1196mm × 552mm × 35mm	
Output Cables	dia.: 4mm; length: 900mm	
Weight	8.5kg	
Frame	aluminum-alloy	
Front / Encapsulant / Back	tempered glass / EVA / PPE	

### 3. I-V characteristic curve

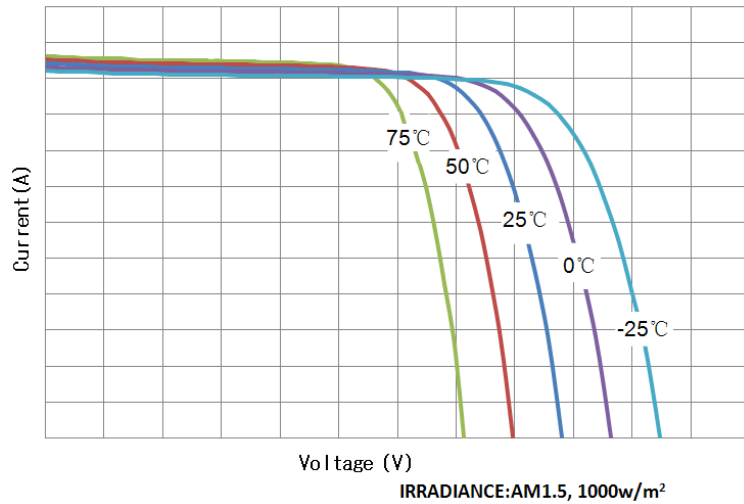
#### 3.1 I-V characteristic curve of module at STC



**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**

