

## SV6M60—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 ( $P_{max}$ )        | 210W  | 220W  | 230W  | 240W  | 250W  |
| Open Circuit Voltage ( $V_{oc}$ )  | 36.0V | 36.5V | 37.2V | 37.5V | 37.8V |
| Short Circuit Current ( $I_{sc}$ ) | 7.65A | 8.05A | 8.22A | 8.43A | 8.71A |
| Maximum Power Voltage ( $V_{mp}$ ) | 29.0V | 29.5V | 29.9V | 30.1V | 30.4V |
| Maximum Power Current ( $I_{mp}$ ) | 7.25A | 7.46A | 7.70A | 7.98A | 8.23A |
| Module Efficiency (%)              | 12.9  | 13.5  | 14.1  | 14.8  | 15.4  |
| Cell Efficiency (%)                | 14.7  | 15.4  | 16.1  | 16.8  | 17.5  |

#### 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 ( $P_{max}$ )        | 153W  | 160W  | 168W  | 175W  | 182W  |
| Open Circuit Voltage ( $V_{oc}$ )  | 32.4V | 32.9V | 33.5V | 33.8V | 34.1V |
| Short Circuit Current ( $I_{sc}$ ) | 6.18A | 6.50A | 6.64A | 6.81A | 7.04A |
| Maximum Power Voltage ( $V_{mp}$ ) | 26.1V | 26.6V | 27.0V | 27.3V | 27.4V |
| Maximum Power Current ( $I_{mp}$ ) | 5.86A | 6.10A | 6.30A | 6.45A | 6.65A |

#### 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

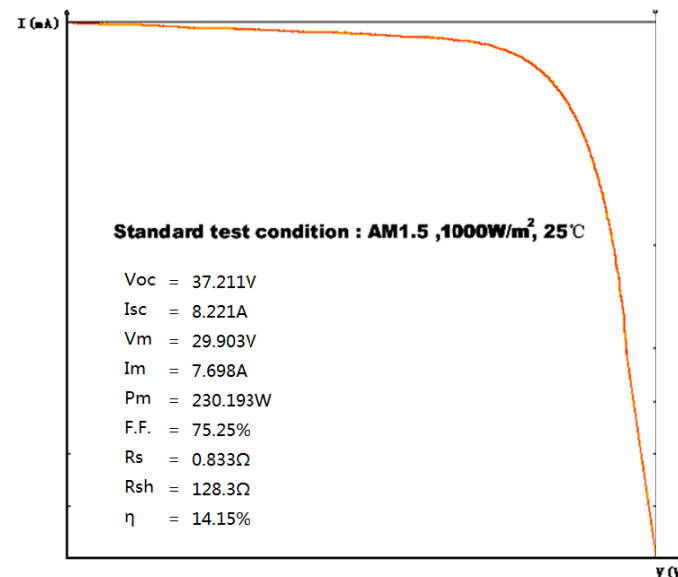
|                        |       |
|------------------------|-------|
| Maximum System Voltage | 1000V |
|------------------------|-------|

### 2. Mechanical characteristics

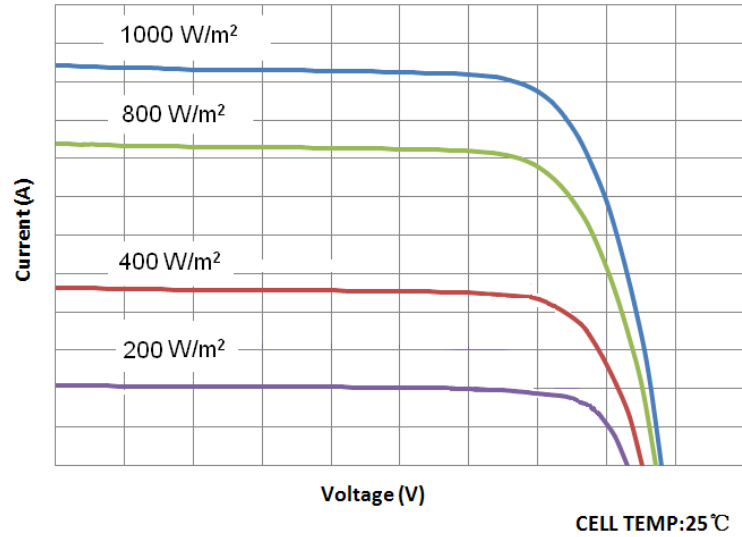
|                            |                            |
|----------------------------|----------------------------|
| Cell Technology            | 156mm × 156mm Mono-Si      |
| Number of Cells (Pcs)      | 60(6 × 10)                 |
| Dimensions                 | 1640mm × 992mm × 50mm      |
| Output Cables              | dia.: 4mm; length: 900mm   |
| Weight                     | 19.5kg                     |
| Frame                      | Aluminum-alloy             |
| Front / Encapsulant / Back | tempered glass / EVA / PPE |

### 3. I-V characteristic curve

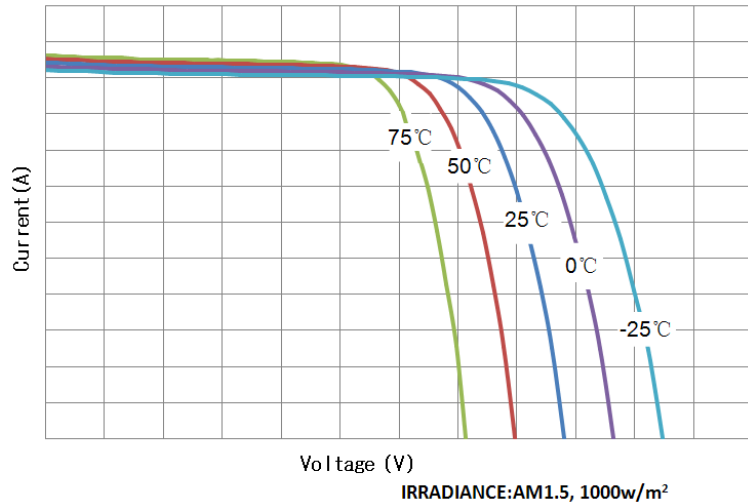
#### 3.1 I-V characteristic curve of module at STC



**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**

