

Our standard modules are designed, developed and manufactured for both residential and commercial, rooftop and ground-mounted, as well as on-grid and off-grid photovoltaic projects.

Quality is the life of our product. We select the best raw materials and conduct highly regular testing to ensure that it meets our rigorous quality standards. Every module will be tested before delivery to make sure the efficiency tolerance is in a narrow range. Each link is strictly controlled to ensure the benefit of our customers.

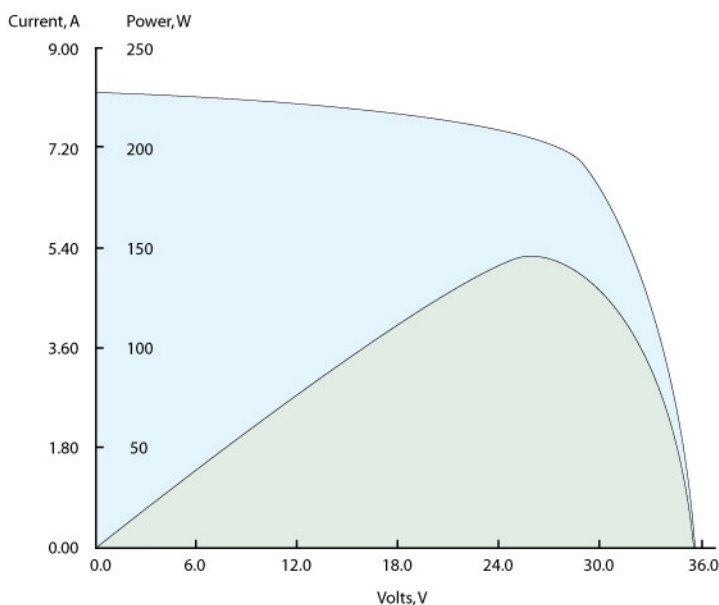
We will keep devoting ourselves to the delivery of the most reliable, highest-efficiency and most cost-effective PV modules.



Features

- 60 high-efficiency polycrystalline solar cells;
- Anodized aluminum frame improves load-resistance capabilities for high wind pressure and snow load;
- The high-transparency low-iron tempered glass allows maximum light permeability while enhancing stiffness and impact resistance;
- The interconnected cells are embedded in ultra transparent EVA with multilayer backsheets for additional weather protection;
- Integrated bypass diodes to protect the solar cell circuit from hot spots during partial shadowing;
- Advanced module technology ensures that there are no problems of water freezing and warping;
- Low power tolerance of +/-3% helps increase output power, by reducing module string mismatch losses;
- 5-year hardware warranty;
- 25-year power output warranty.

Characteristics



SPI-Sun Simulator4600

Title: S5T220-60P
Isc = 8.218 A
Voc = 35.544 V
Pm = 221.372 W
Im = 7.738 A
Vm = 28.607 V
FF = 75.78%
η = 15.16%
Rs = 0.58 Ω
Rsh = 491.07 Ω

Specifications of SST220-60P Polycrystalline solar module

| Type | 230-60P | 225-60P | 220-60P | 215-60P | 210-60P | 205-60P | 200-60P |
|----------------------------------|----------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|
| Peak power (Pm) | 230 | 225 | 220 | 215 | 210 | 205 | 200 |
| Open circuit voltage (Voc) | 36.7 | 36.6 | 36.4 | 36.3 | 36.1 | 35.9 | 35.8 |
| Short circuit current (Isc) | 8.54 | 8.46 | 8.32 | 8.18 | 8.11 | 8.05 | 7.98 |
| Optimum operating voltage (Vmp) | 29.4 | 29.2 | 29 | 28.8 | 28.5 | 28.4 | 28.1 |
| Optimum operating current (Imp) | 7.83 | 7.71 | 7.59 | 7.47 | 7.37 | 7.22 | 7.12 |
| Practical module efficiency | 15.75% | 15.41% | 15.07% | 14.72% | 14.38% | 14.04% | 13.70% |
| Maximum system voltage [V] | 1000 | | | | | | |
| Voltage temperature coefficients | -0.35%/K | | | | | | |
| Current temperature coefficients | +0.06%/K | | | | | | |
| Power temperature coefficients | -0.45%/K | | | | | | |
| Series fuse rating[A] | 15 | | | | | | |
| Cells | 6×10 pieces polycrystalline solar cells series strings (156mm×156mm) | | | | | | |
| Junction box | with 6 bypass diodes | | | | | | |
| Cable | length 900 mm, 1×4 mm ² | | | | | | |
| Front glass | White toughened safety glass, 3.2 mm | | | | | | |
| Cell encapsulation | EVA (Ethylene-Vinyl-Acetate) | | | | | | |
| Back | composite film | | | | | | |
| Frame | Anodised aluminum profile | | | | | | |
| Dimensions | 1640×990×50mm (L×W×H) | | | | | | |
| Weight | 20Kg | | | | | | |
| Maximum surface load capacity | tested up to 2,400 Pa according to IEC 61215 | | | | | | |
| Hail | maximum diameter of 25 mm with impact speed of 23 m·s ⁻¹ | | | | | | |
| Temperature range | - 40 °C to + 85 °C | | | | | | |

The electrical data relates to standard test conditions [STC]: 1,000 W/m²; AM 1.5; 25°C.
 Performance deviation of P_{mpp}: ±3%; Performance deviation of Voc, Isc, V_{mp} and Imp: ±10%.
 Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

Dimensions

