

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.

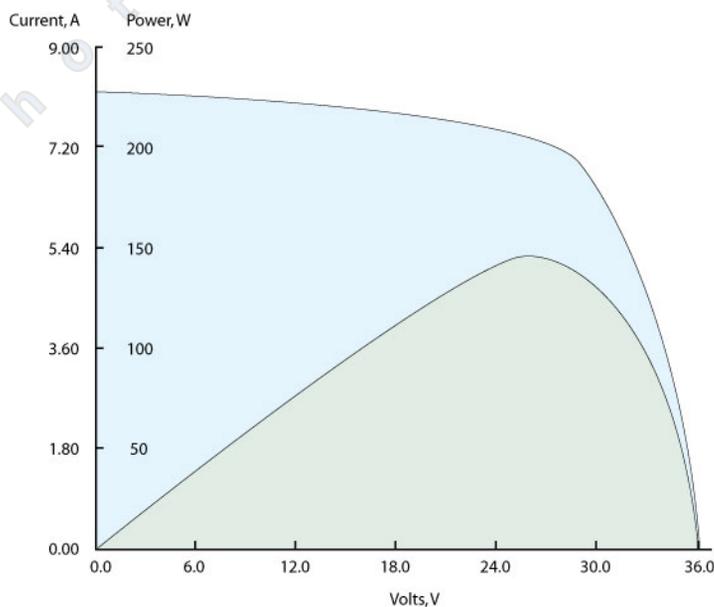
We will keep devoting ourselves to the delivery of the most reliable, highest-efficiency and most cost-effective PV modules.



Features

- High conversion efficiency;
- Excellent performance under low lighting conditions;
- Low hot spot effect, due to low reverse current density;
- Low degradation under light exposure;
- Low cell performance mismatch during encapsulation, our SE module demonstrates high power output;
- which is very close to the power from the cells before encapsulation;
- 5-year hardware warranty;
- 25-year power output warranty.

Characteristics



SPI-Sun Simulator4600

Title: SST230-60M
IsC = 8.422 A
Voc = 36.004 V
Pm = 227.526 W
Im = 7.835 A
Vm = 29.040 V
FF = 75.04%
 η = 15.58%
Rs = 0.56 Ω
Rsh = 221.89 Ω

Specifications of SST230-60M Monocrystalline solar module

Type	250-60M	245-60M	240-60M	235-60M	230-60M	225-60M	220-60M	215-60M	210-60M	205-60M
Peak power (Pm)	250	245	240	235	230	225	220	215	210	205
Open circuit voltage (Voc)	37.3	37.2	37	36.8	36.8	36.7	36.5	36.4	36.2	36
Short circuit current (Isc)	8.78	8.69	8.62	8.54	8.45	8.36	8.28	8.2	8.14	8.08
Optimum operating voltage (Vmp)	30.1	30	29.8	29.6	29.5	29.3	29.1	29	28.8	28.6
Optimum operating current (Imp)	8.31	8.17	8.06	7.94	7.8	7.68	7.57	7.42	7.3	7.17
Practical module efficiency	17.44%	17.09%	16.74%	16.39%	16.04%	15.69%	15.34%	15.00%	14.65%	14.30%
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 monocrystalline 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_{mp}: ±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

