

260 Watt Maximum Power

Low cost semi transparent module (10% transparency)

Semi-Shade™ is a standard framed solar module with a tempered front glass and durable clear polymer substrate. It can be used to increase natural light levels below the module while still providing shading and power generation.

Features

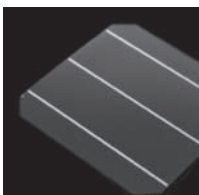
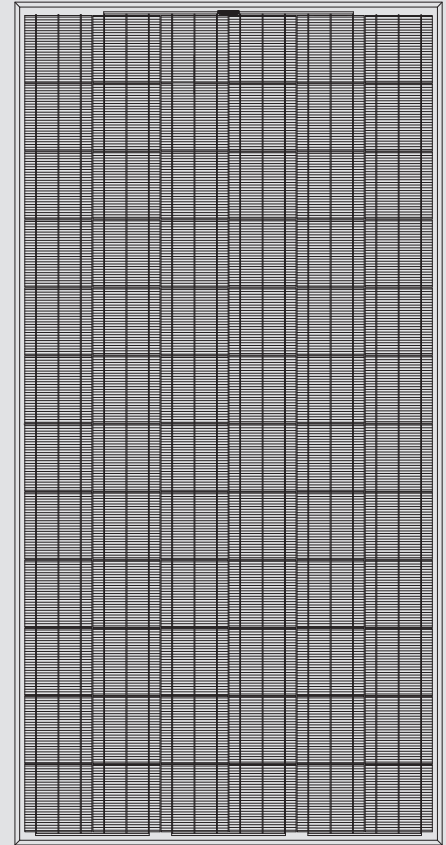
- Design is based on a concept from a leading architecture firm specializing in daylighting solution
- Increased light transmission and reduced cost per sq. ft due to lower cell density
- Utilizes high-efficiency cells based on innovative technologies
- High reliability with guaranteed ±3% power output tolerance
- Withstands high wind-pressure and snow load
- Discreetly placed junction box closer to the edge of module preserves the sleek and uniform appearance
- Choice of anodized frame color: silver (VEC) or black (VED)

Quality and Safety

- Rigorous quality control meeting the highest international standards
- ISO 9001:2000 (Quality Management System) and ISO 14001:2004 (Environmental Management System) certified factories manufactures world class products
- Industry leading transferable warranty term
- Conformity with CE, certified to UL1703

Recommended Applications

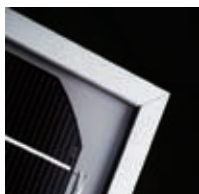
- Highly aesthetic carport
- Outdoor canopy
- Other building integrated application



Unique Suntech Back Surface Field (BSF) structure and anti-reflective coating increase cell conversion efficiency



Unique design on drainage holes and rigid construction prevents frame from deforming or breaking due to freezing weather and other forces



Advanced cell texturing and passivation processes improve module low light irradiance performance and provide more field power output



Suntech was named Frost and Sullivan's 2008 Solar Energy Development Company of the Year

Electrical Characteristics

Characteristics	STP260D-24/VEC	STP250D-24/VEC	STP240D-24/VEC
Open - Circuit Voltage (Voc)	44.0V	43.8V	43.6V
Optimum Operating Voltage (Vmp)	34.8V	34.6V	34.4V
Short - Circuit Current (Isc)	8.09A	7.87A	7.65A
Optimum Operating Current (Imp)	7.47A	7.23A	6.98A
Maximum Power at STC (Pmax)	260Wp	250Wp	240Wp
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Maximum System Voltage	600V DC	600V DC	600V DC
Maximum Series Fuse Rating	15A	15A	15A
Power Tolerance	±3 %	±3 %	±3 %

STC: Irradiance 1000W/m², Module temperature 25°C, AM=1.5

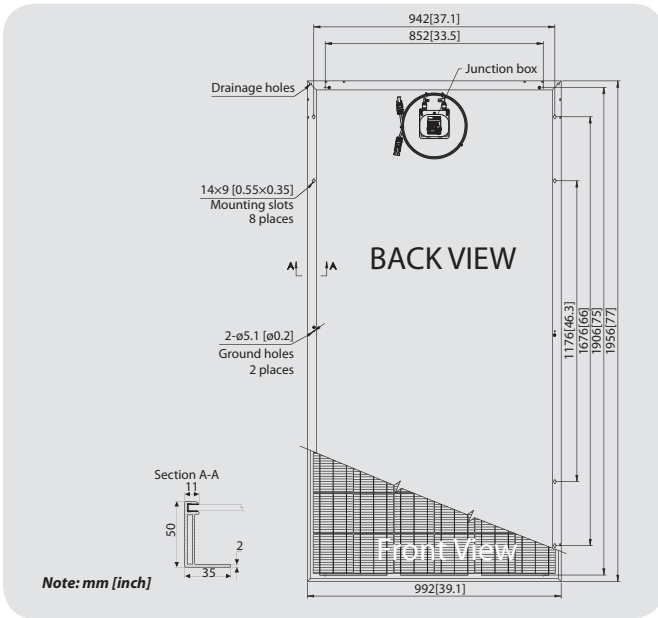
Mechanical Characteristics

Solar Cell	Poly-crystalline 156×156mm (6 inch)
No. of Cells	72 (6×12)
Dimensions	1956×992×50mm (77.0×39.1×2.0 inch)
Weight	27 kg (59.5 lbs.)
Front Glass	4mm(0.16 inch) tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65 rated

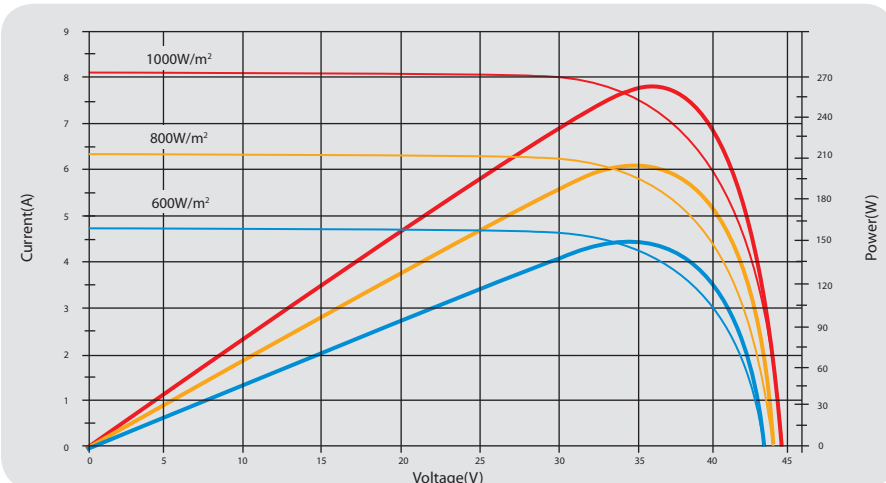
Output Cables H+S(12AWG); Lengths (+) 1000 mm and (-) 1000 mm; MC Plug Type IV connectors

Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.47 %/°C
Temperature Coefficient of Voc	-0.34 %/°C
Temperature Coefficient of Isc	0.045 %/°C



Current-Voltage & Power-Voltage Curve (260W)



Specification is subjected change without further notice

Temperature Dependence of Isc, Voc, Pmax

