

210 Watt Maximum Power MONO-CRYSTALLINE SOLAR PANEL

Features

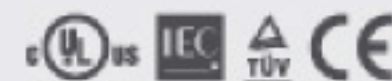
- High conversion efficiency based on leading innovative photovoltaic technologies
- High reliability with guaranteed +/-3% power output tolerance, ensuring return on investment
- Attractive appearance
- Withstands high wind-pressure and snow load, and extreme temperature variations
- Easy to install

Quality and Safety

- 25-year power output transferable warranty with PICC insurance
- Rigorous quality control meeting the highest international standards
- ISO 9001:2000 (Quality Management System) and ISO 14001:2004 (Environmental Management System) certified factories manufacturing world class products
- IEC61215, Safety tested IEC61730, conformity to CE, UL listings: UL1703, cULus, Class C fire rating

Recommended Applications

- On-grid utility systems
- On-grid commercial systems
- Off-grid ground mounted systems



Suntech's technology yields improvements to BSF structure and anti-reflective coating to increase conversion efficiency



Thermal isolation between the lamination and an advanced specially designed J-box delivers improved performance stability. It also provides complete interconnection between modules and inverters ensuring that the efficiency of the modules can be fully utilized.



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



The panel provides more field power output through an advanced cell texturing and isolation process, which improves low irradiance performance

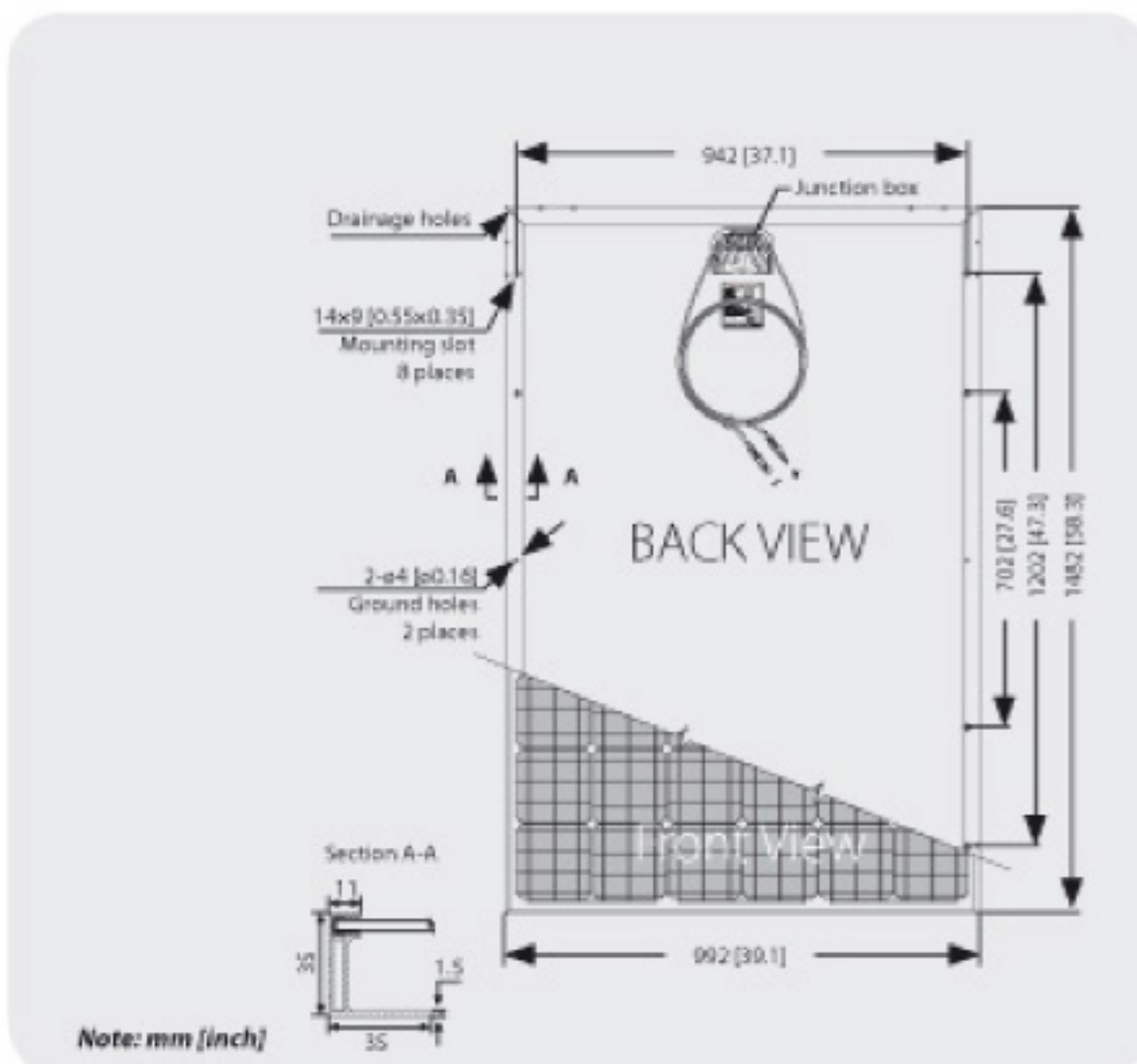


Suntech was named Frost and Sullivan's 2008 Solar Energy Development Company of the Year

Electrical Characteristics

Characteristics	STP210S-18/Ud	STP200S-18/Ud	STP190S-18/Ud
Open - Circuit Voltage (Voc)	33.6V	33.6V	33.2V
Optimum Operating Voltage (Vmp)	26.4V	26.2V	26.2V
Short - Circuit Current (Isc)	8.33A	8.1A	7.84A
Optimum Operating Current (Imp)	7.95A	7.63A	7.25A
Maximum Power at STC (Pmax)	210Wp	200Wp	190Wp
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Maximum System Voltage	1000V DC	1000V DC	1000V DC
Maximum Series Fuse Rating	20A	20A	20A
Power Tolerance	±3 %	±3 %	±3 %

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



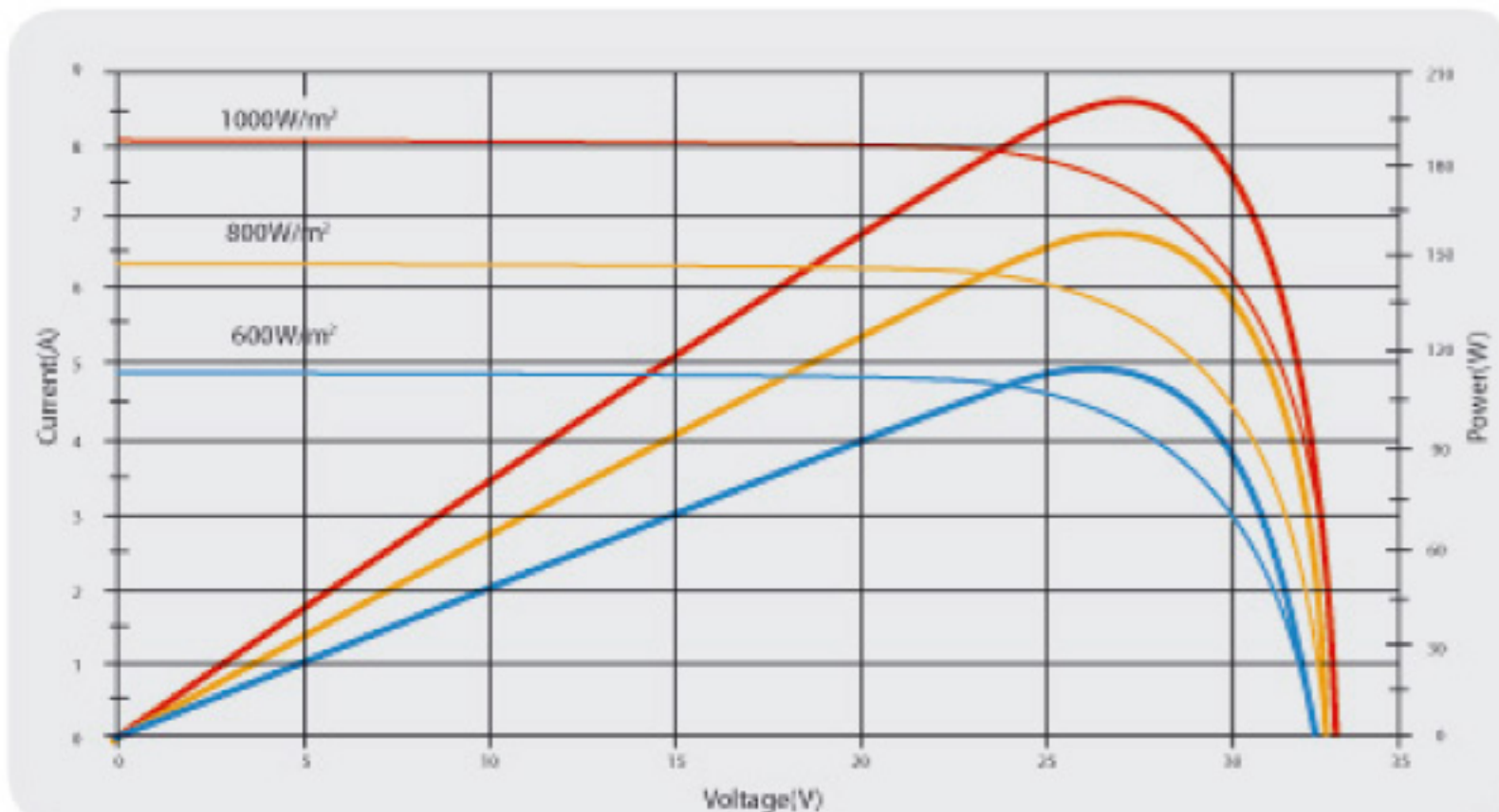
Mechanical Characteristics

Solar Cell	Mono-crystalline 156×156mm (6inch)
No. of Cells	54 (6×9)
Dimensions	1482×992×35mm (58.3×39.1×1.4inch)
Weight	16.8kg (37.0lbs.)
Front Glass	3.2 mm (0.13inch) tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67 rated
Output Cables	RADOX® SMART cable 4.0mm ² (0.006inch ²), symmetrical lengths (-) 1000mm (39.4inch) and (+) 1000mm (39.4inch), RADOX® SOLAR integrated twist locking connectors

Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-(0.48 ± 0.05) %/°C
Temperature Coefficient of Voc	-(0.34 ± 0.01) %/°C
Temperature Coefficient of Isc	(0.055 ± 0.01) %/°C

Current-Voltage & Power-Voltage Curve (200W)



Temperature Dependence of Isc, Voc, Pmax

