三一飞达 FEIDA
Technology Changes Life

SY210 - 18/Ub -1
SY200 - 18/Ub -1
SY190 - 18/Ub -1

200 Watt
POLY-CRYSTALLINE SOLAR PANEL

Features

- High conversion efficiency based on innovative photovoltaic technologies
- High reliability with guaranteed +/-3% power output tolerance
- Withstands high wind-pressure and snow load, and extreme temperature variations

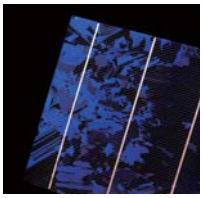
Quality and Safety

- Rigorous quality control meeting the highest international standards
- ISO 9001:2000 (Quality Management System) manufacturing world class products
- UL listings: RHOS , Class C fire rating, conformity to CE

Recommended Applications

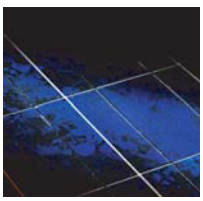
- On-grid utility systems
- On-grid commercial systems
- Off-grid ground mounted systems

RHOS CE



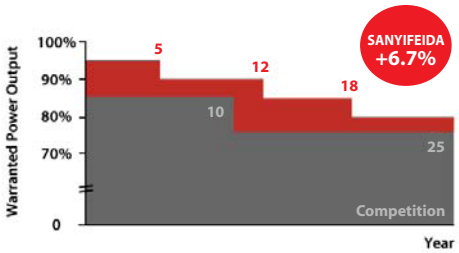
Suntech's technology yields improvements to BSF structure and anti-reflective coating to increase conversion efficiency

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

Industry-Leading Warranty



- 25-year, transferable power output warranty: 5 year/95%, 12 year/90%, 18 year/85%, 25 year/80%
- Warrants 6.7% more power than industry standard
- 5 year material and workmanship warranty

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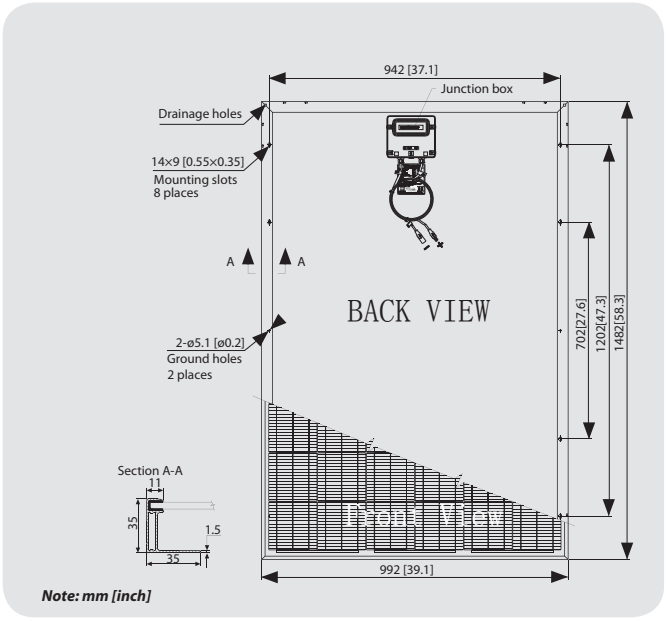
Electrical Characteristics

Characteristics	SY210-18/Ub-1	SY200-18/Ub-1	SY190-18/Ub-1
Open - Circuit Voltage (Voc)	33.6V	33.4V	33V
Optimum Operating Voltage (Vmp)	26.4V	26.2V	26V
Short - Circuit Current (Isc)	8.33A	8.12A	7.89A
Optimum Operating Current (Imp)	7.95A	7.63A	7.31A
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	600V DC	600V DC	600V DC
Maximum Series Fuse Rating	20AMPS	20AMPS	20AMPS
Power Tolerance	±3 %	±3 %	±3 %

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



Note: mm [inch]

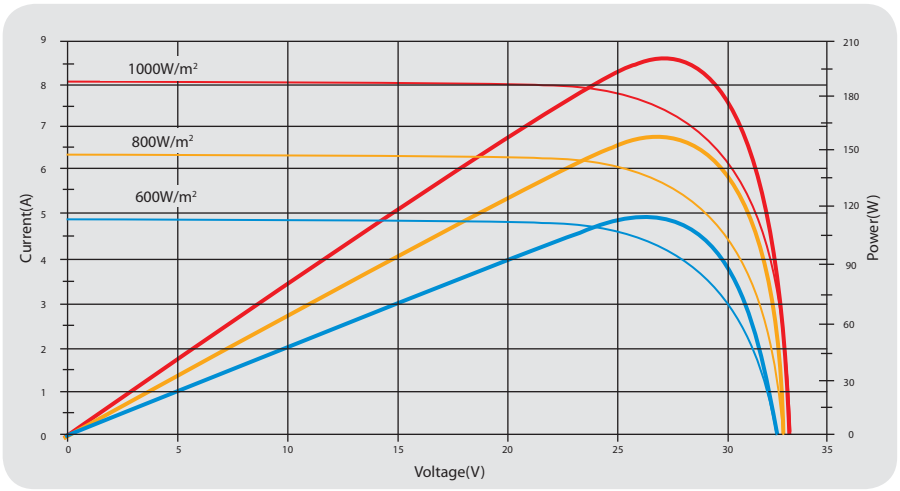
Mechanical Characteristics

Solar Cell	Poly-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	Asymmetrical lengths (-) 1200mm (47.2inch) and (+) 800mm (31.5inch), MC Plug Type IV connectors

Temperature Coefficients

Nominal Operating Cell Temperature **(NOCT)**	45°C±2°C
Temperature Coefficient of Pmax	-(0.47 ± 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