

Key Features

Customer Values

- Economical solar modules American Engineered for the best performance-to-price ratio with high return investment (ROI)
- Environmentally friendly design, non-toxic and no potential environmental or legal risk

Features

- Strong Frame, passes mechanical load test of 5400PA, instead of competitor designs rated for 2400PA , to withstand heavier snow loads and higher wind pressure conditions
- Industry leading power tolerance: $\pm 5W(\pm 2.5\%)$
- 25 years performance warranty, 5 year manufacturer defect warranty
- ISO: TS16949 and ISO17025 qualified, fully complying to IEC, TUV , UL testing Standards

On-grid Module

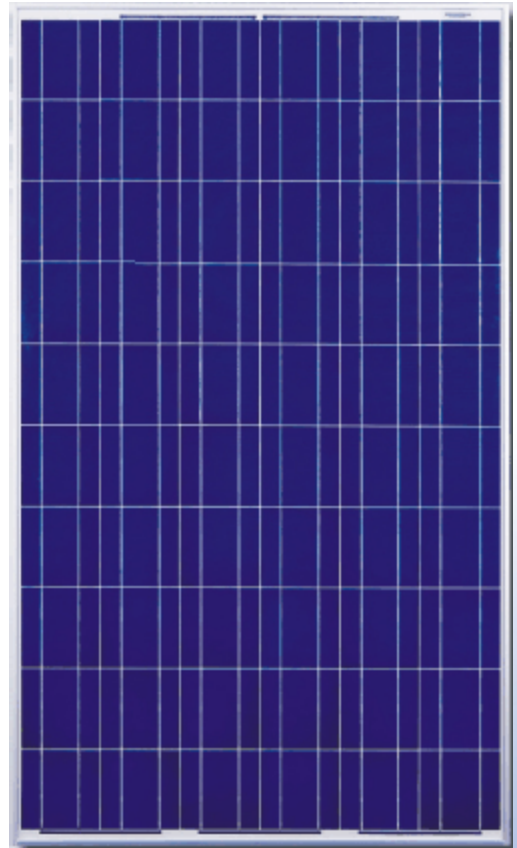
SPI-170/180/190/200E are robust solar modules with 60 solar cells. These modules can be used for on-grid solar applications. Our meticulous design and production techniques ensure a high-yield, long-term performance . Our Rigorous quality control and in-house testing facilities guarantee SPI modules meet the highest quality possible and reliability in the field producing power under extreme conditions for many decades to come.

Applications

- On-grid residential roof-tops
- On Grid commercial/industrial roof-tops
- Solar power stations
- Other on grid applications

-Quality Certificates

- IEC 61215, IEC 61730, TUV Safety Class II, UL 1703, CE
- ISO9001:2000: Standards for quality management systems
- ISO/TS 16949:2002: The automotive quality management system
- QC080000 HSPM: The Certification for Hazardous Substance Regulations



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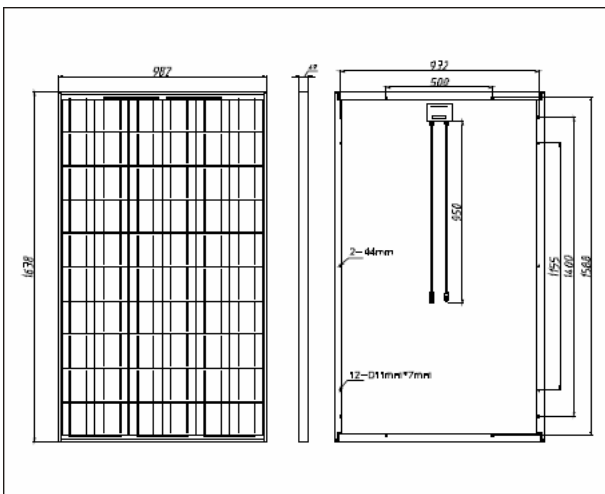
Electrical Data

	SPI-170E	SPI-180E	SPI-190E	SPI-200E
Nominal Maximum Power at STC (Pmax)	170W	180W	190W	200W
Optimum Operating Voltage (Vmp)	28.7V	28.7V	28.8V	28.9V
Optimum Operating Current (Imp)	5.93A	6.26A	6.60A	6.93A
Open Circuit Voltage (Voc)	35.8V	35.9V	36.0V	36.2V
Short Circuit Current (Isc)	6.62A	6.98A	7.33A	7.68A
Operating Temperature	-40°C ~ +85°C			
Maximum System Voltage	1,000V (IEC) / 600V (UL)			
Maximum Series Fuse Rating	15A			
Power Tolerance	±5W			
Temperature Coefficient	Pmax	-0.45%/°C		
	Voc	-0.35%/°C		
	Isc	0.060%/°C		
	NOCT	45°C		

Mechanical Data

Cell Type	Poly-crystalline solar grade silicon
Cell Arrangement	60 (6x10)
Dimensions	1638 x 982 x 40mm (64.5 x 38.7 x 1.6 in)
Weight	18.5kg (40.8 lbs)
Front Cover	Tempered glass
Frame Material	Anodized aluminium alloy
Standard Packaging (Modules per Pallet)	20pcs

Engineering Drawings



I-V Curves

