

CS6P**170/180/190/200****e-Module**

Customer Values

- **Economical solar modules** with best performance-to-price ratio and fast return of investment (ROI)
- **Environmentally friendly production**, non-toxic and no potential environmental and legal risks

Key Features

- Strong frame, passing mechanical load test of 5400Pa, instead of the normal 2400Pa, to withstand heavier snow load and higher wind-pressure
- Industry leading power tolerance : $\pm 5W$ ($\pm 2.5\%$)
- 25 years performance warranty
- The 1st manufacturer in PV industry to apply ISO:TS16949 (The automotive quality management system) in module production

ISO17025 qualified manufacturer owned

- testing lab (pending), fully complying to IEC, TUV, UL testing standards

On-grid Module

e-Module CS6P is a robust solar module 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 for every module produced. Our rigorous quality control and in-house testing facilities guarantee Canadian Solar's modules meet the highest quality standards possible.

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/TS16949:2002: The automotive quality management system
- QC080000 HSPM: The Certification for Hazardous Substances Regulations



CS6P-170/180/190/200 e-Module

Electrical Data

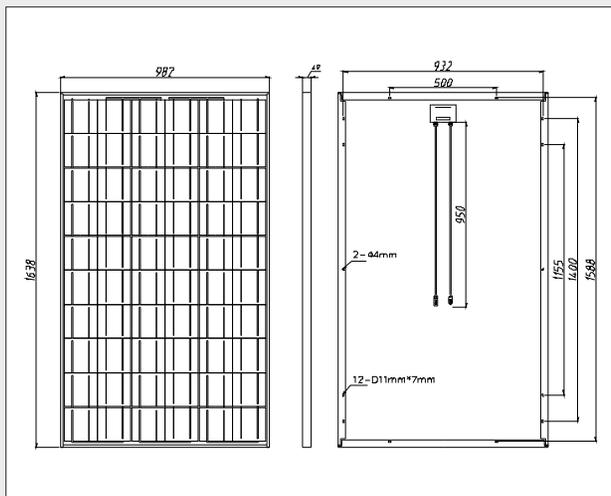
		CS6P-170	CS6P-180	CS6P-190	CS6P-200
Nominal Maximum Power at STC (Pmax)		170W	180W	190W	200W
Optimum Operating Voltage (Vmp)		28.7V	28.7V	28.8V	28.9V
Optimum Operating Current (Imp)		5.93A	6.26A	6.60A	6.93A
Open Circuit Voltage (Voc)		35.8V	35.9V	36.0V	36.2V
Short Circuit Voltage (Isc)		6.62A	6.98A	7.33A	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			

Under Standard Test Conditions (STC) of irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25°C

Mechanical Data

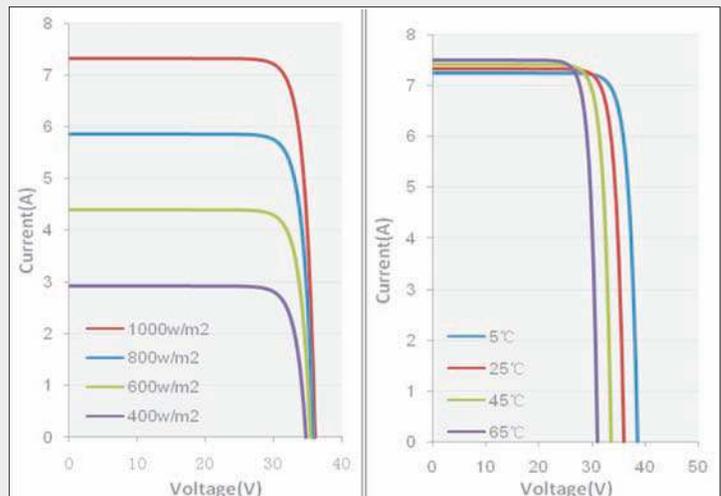
Cell Type	Solar Grade Silicon
Cell Arrangement	60 (6*10)
Dimensions	1638mm*982mm*40mm
Weight	18.5kg
Front Cover	Tempered glass
Frame Material	Anodized aluminium alloy
Packaging (Modules per Pallet)	20pcs

Engineering Drawings



*Specifications included in this datasheet are subject to change without prior notice.

I-V Curves



About Canadian Solar

Canadian Solar is a vertically-integrated manufacturer of silicon ingots, wafers, cells, solar modules and custom-designed solar power applications. Canadian Solar was founded in Canada in 2001 and was successfully listed on NASDAQ Exchange (symbol: CSIQ) in November 2006.

By the end of 2008, Canadian Solar has a module capacity of over 600MW. With revenues over 700 million dollars in 2008, a 133% growth in revenue over 2007, Canadian Solar has become one of the fastest-growing companies in the solar industry.

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