



170/180/190/200

**e-Modul**

### **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.

### **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

### **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

## Electrical Data

## e-Module

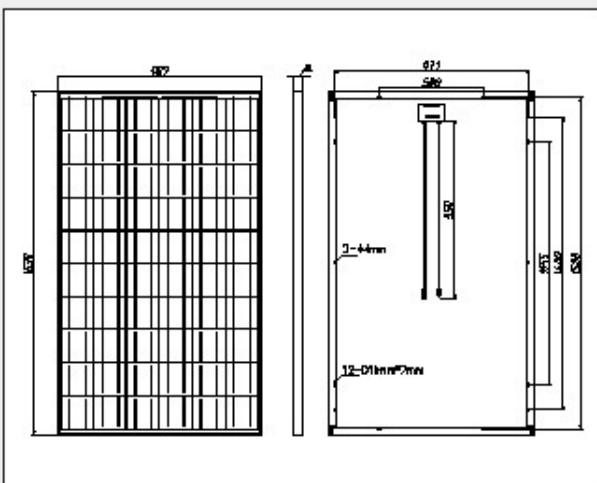
		CS6P-170	CS6P-180	CS6P-190	CS6P-200
Nominal Maximum Power at STC (Pmax)		170W	180W	190W	200W
Optimum Operating Voltage (Vmp)		28.7V	28.7V	28.8V	28.9V
Optimum Operating Current (Imp)		5.93A	6.26A	6.60A	6.93A
Open Circuit Voltage (Voc)		35.8V	35.9V	36.0V	36.2V
Short Circuit Voltage (Isc)		6.62A	6.98A	7.33A	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/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C

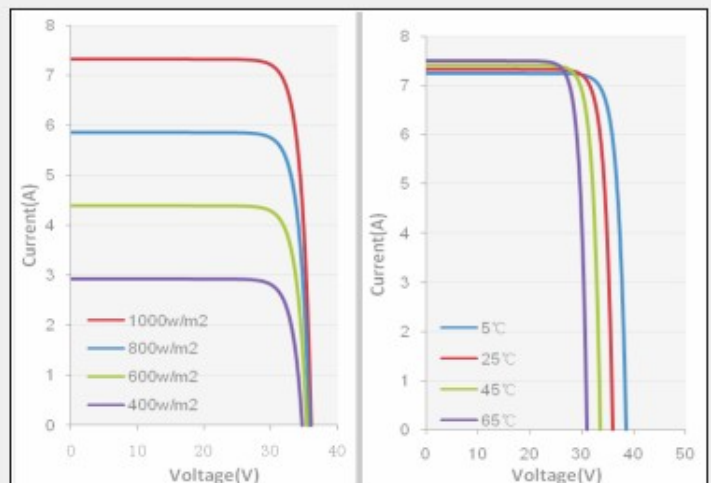
## Mechanical Data

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



## I-V Curves



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



## CS6P

200/210/220/230/240

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### 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 :  $\pm 5W$  ( $\pm 2.1\%$ )

25 years performance warranty

### 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-200/210/220/230/240

## Electrical Data

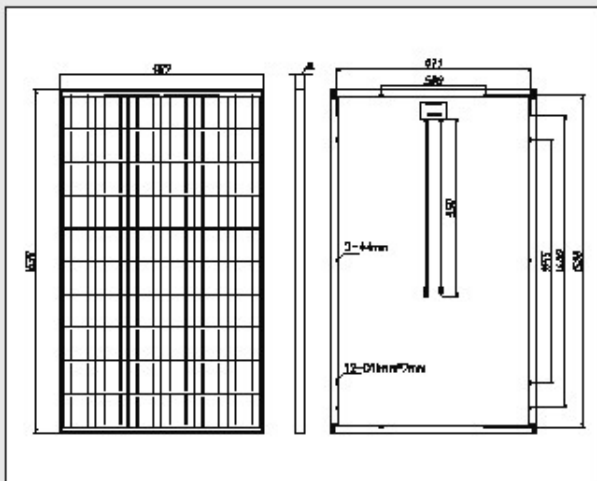
	CS6P-200	CS6P-210	CS6P-220	CS6P-230	CS6P-240
Nominal Maximum Power at STC (Pmax)	200W	210W	220W	230W	240W
Optimum Operating Voltage (Vmp)	28.9V	28.9V	29.3V	29.8V	30.4V
Optimum Operating Current (Imp)	6.93A	7.26A	7.52A	7.71A	7.91A
Open Circuit Voltage (Voc)	36.2V	36.4V	36.6V	36.8V	37.0V
Short Circuit Voltage (Isc)	7.68A	7.91A	8.09A	8.34A	8.61A
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/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C

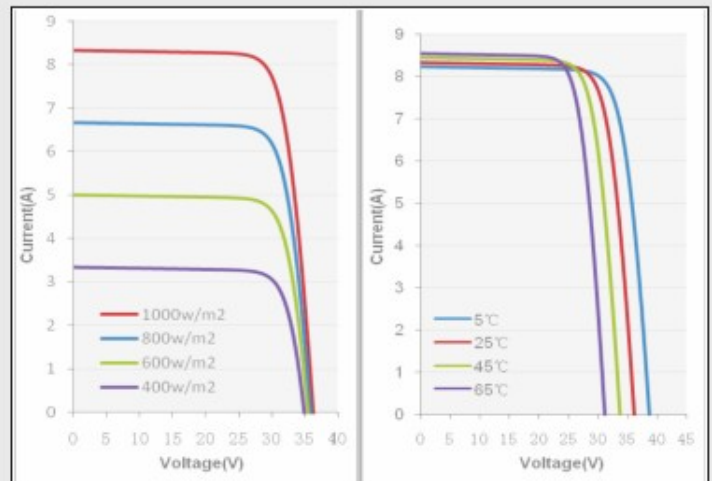
## Mechanical Data

Cell Type	Poly-crystalline ( Mono-crystalline)
Cell Arrangement	60 (6 x 10)
Dimensions	1638mm x 982mm 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
Packaging (Modules per Pallet)	20pcs

## Engineering Drawings



## I-V Curves



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