



# CS6P-220/225/230/235/240P

## Electrical Data

STC	CS6P-220P	CS6P-225P	CS6P-230P	CS6P-235P	CS6P-240P
Nominal Maximum Power (Pmax)	220W	225W	230W	235W	240W
Optimum Operating Voltage (Vmp)	29.2V	29.4V	29.6V	29.8V	29.9V
Optimum Operating Current (Imp)	7.53A	7.65A	7.78A	7.90A	8.03A
Open Circuit Voltage (Voc)	36.6V	36.7V	36.8V	36.9V	37.0V
Short Circuit Current (Isc)	8.09A	8.19A	8.34A	8.46A	8.59A
Module Efficiency	13.68%	13.99%	14.30%	14.61%	14.92%
Operating Temperature	-40°C~+85°C				
Maximum System Voltage	1000V (IEC) /600V (UL)				
Maximum Series Fuse Rating	15A				
Application Classification	Class A				
Power Tolerance	0 ~ +5W				

Under Standard Test Conditions (STC) of irradiance of 1000W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C

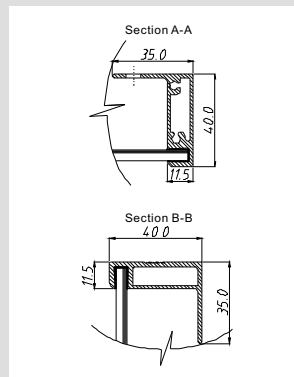
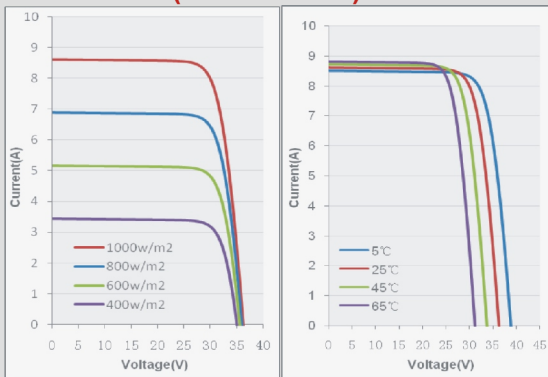
NOCT	CS6P-220P	CS6P-225P	CS6P-230P	CS6P-235P	CS6P-240P
Nominal Maximum Power (Pmax)	160W	163W	167W	170W	174W
Optimum Operating Voltage (Vmp)	26.6V	26.8V	27.0V	27.2V	27.3V
Optimum Operating Current (Imp)	5.99A	6.08A	6.18A	6.27A	6.38A
Open Circuit Voltage (Voc)	33.6V	33.7V	33.8V	33.9V	34.0V
Short Circuit Current (Isc)	6.56A	6.64A	6.76A	6.86A	6.96A

Under Normal Operating Cell Temperature, Irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

## Mechanical Data

Cell Type	Poly-crystalline 156 x 156mm, 2 or 3 Busbars
Cell Arrangement	60 (6 x 10)
Dimensions	1638 x 982 x 40mm (64.5 x 38.7 x 1.57in)
Weight	20kg (44.1 lbs)
Front Cover	3.2mm Tempered glass
Frame Material	Anodized aluminium alloy
J-BOX	IP65, 3 diodes
Cable	4mm <sup>2</sup> (IEC)/12AWG(UL), 1100mm
Connectors	MC4 or MC4 Comparable
Standard Packaging (Modules per Pallet)	24pcs
Module Pieces per container (40 ft. Container)	672pcs (40'HQ)

## I-V Curves (CS6P-240P)



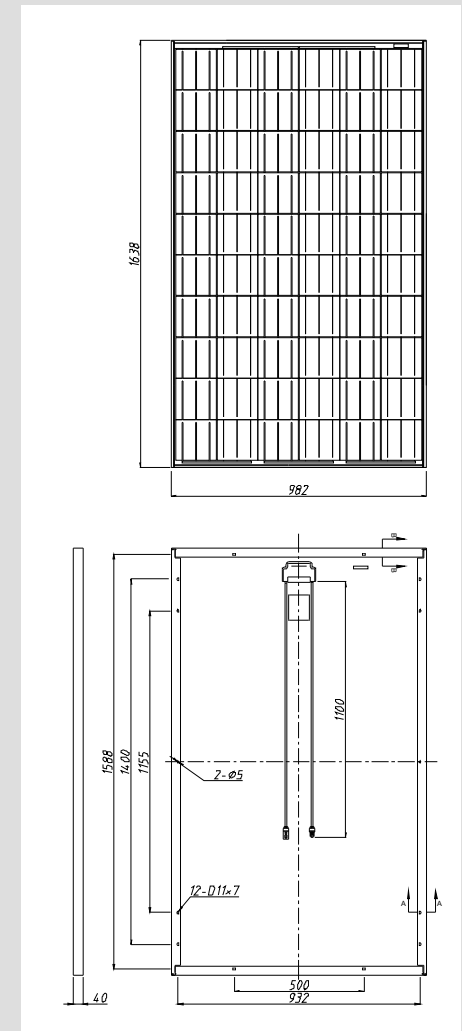
## Temperature Characteristics

Temperature Coefficient	Pmax	-0.43%/°C
	Voc	-0.34 %/°C
	Isc	0.065 %/°C
Normal Operating Cell Temperature	45±2°C	

## Performance at Low Irradiance

Industry leading performance at low irradiation environment, +95.5% module efficiency from an irradiance of 1000w/m<sup>2</sup> to 200w/m<sup>2</sup> (AM 1.5, 25 °C)

## Engineering Drawings



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

## About Canadian Solar

Canadian Solar Inc. is one of the world's largest solar companies. As a leading vertically-integrated manufacturer of ingots, wafers, cells, solar modules and solar systems. Canadian Solar delivers solar power products of uncompromising quality to worldwide customers. Canadian Solar's world class team of professionals works closely with our customers to provide them with solutions for all their solar needs.

Canadian Solar was founded in Canada in 2001 and was successfully listed on NASDAQ Exchange (symbol: CSIQ) in November 2006. Canadian Solar will expand its module manufacturing capacity to 2.05GW and cell manufacturing capacity to 1.3GW in 2011.

Headquarters | 650 Riverbend Drive, Suite B  
Kitchener, Ontario | Canada N2K3S2  
Tel: +1-519-954-2057  
Fax: +1-519-578-2097  
inquire.ca@canadiansolar.com  
www.canadiansolar.com