



- Top ranked PVUSA (PTC) rating in California for higher energy production
- Industry first comprehensive warranty insurance by AM Best rated leading insurance companies in the world
- Industry leading plus only power tolerance: 0 ~ +5W
- Strong framed module, passing mechanical load test of 5400Pa to withstand heavier snow load
- The 1st manufacturer in the PV industry certified for ISO:TS16949 (The automotive quality management system) in module production since 2003
- ISO17025 qualified manufacturer owned testing lab, fully complying to IEC, TUV, UL testing standards
- Backed By Our New 10/25 Linear Power Warranty Plus our added 25 year insurance coverage



- · 10 year product warranty on materials and workmanship
- 25 year linear power output warranty



CS6P 220/225/230/235/240P

On-grid 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, UL1703, CEC Listed, CE, KEMCO and MCS
- ISO9001: 2008: Standards for quality management systems
- ISO/TS16949:2009: The automotive quality management system

Environmental Certificates

- ISO14001:2004: Standards for Environmental management systems
- QC080000 HSPM: The Certification for Hazardous Substances Regulations
- Reach Compliance



















www.canadiansolar.com

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/m², spectrum AM 1.5 and cell temperature of 25°C

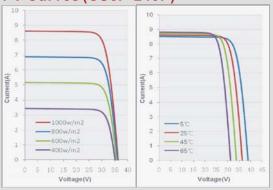
NOCT	CS6P-220P	CS6P-225P	CS6P-230P	CS6P-235P	CS6P-240P
Nominal Maximum Power (Pmax)	160W	163W	167W	170W	174W
Optimum Operating Voltage (Vmp)	26.6V	26.8V	27.0V	27.2V	27.3V
Optimum Operating Current (Imp)	5.99A	6.08A	6.18A	6.27A	6.38A
Open Circuit Voltage (Voc)	33.6V	33.7V	33.8V	33.9V	34.0V
Short Circuit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

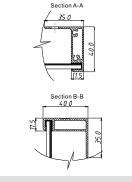
Under Normal Operating Cell Temperature, Irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

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	4mm²(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)





^{*}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.

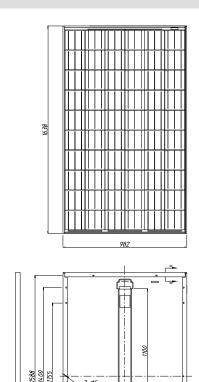
Temperature Characteristics

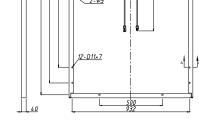
	Pmax	-0.43%/℃	
Temperature Coefficient	Voc	-0.34 %/C	
	Isc	0.065 %/C	
Normal Operating CellTer	45±2℃		

Performance at Low Irradiance

Industry leading performance at low irradiation environment, +95.5% module efficiency from an irradiance of 1000w/m² to 200w/m² (AM 1.5, 25 $^{\circ}\mathrm{C}$)

Engineering Drawings





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 1.3GWin 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