CanadianSolar

NewEdge CS6P

200/205/210/215/220/225/230/235PX

Next Generation Solar Module

NewEdge, the next generation module designed for multiple types of mounting systems, offers customers the added value of minimal system costs, aesthetic seamless appearance, auto grounding and theft resistance.

The CS6P-PX is a robust 60 cell solar module incorporating the groundbreaking Zep Compatible frame. The specially designed frame allows for rail-free, fast installation with the industry's most reliable grounding system. The CS6P-PX is the perfect choice for customers who are looking for a high quality, aesthetic module with the lowest system costs.

Key Features

- Quick and easy to install — dramatically reduces installation time
- Lower system costs — can cut rooftop installation costs in half
- Aesthetic seamless appearance — low profile with auto leveling and alignment
- Built-in hyper-bonded grounding system — if it's mounted, it's grounded
- Theft resistant hardware
- Ultra-low parts count — 3 parts for the mounting and grounding system
- 6 years product warranty (materials and workmanship); 25 years module power output warranty
- Industry leading PLUS ONLY power tolerance: +5W (+2.1%)
- Backward compatibility with all standard rooftop and ground mounting systems

Applications

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

Quality Certificates

- IEC61215/IEC61730, UL 1703, CE
- ISO9001:2008: Standards for quality management systems
- ISO/TS16949:2009: The automotive quality management system
- QC080000 HSPM: The Certification for Hazardous Substances Regulations

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CS6P-200/205/210/215/220/225/230/235PX

Electrical Data

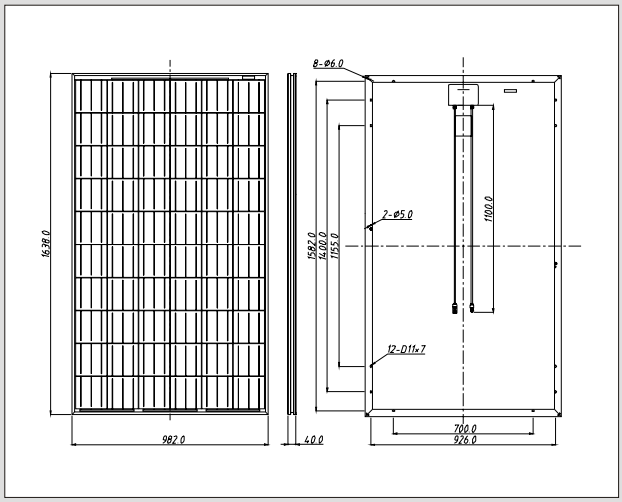
		CS6P-200PX	CS6P-205PX	CS6P-210PX	CS6P-215PX	CS6P-220PX	CS6P-225PX	CS6P-230PX	CS6P-235PX
Nominal Maximum Power at STC (Pmax)		200W	205W	210W	215W	220W	225W	230W	235W
Optimum Operating Voltage (Vmp)		28.9V	28.9V	29.0V	29.0V	29.2V	29.4V	29.6V	29.8V
Optimum Operating Current (Imp)		6.93A	7.09A	7.25A	7.40A	7.53A	7.65A	7.78A	7.90A
Open Circuit Voltage (Voc)		36.2V	36.2V	36.4V	36.5V	36.6V	36.7V	36.8V	36.9V
Short Circuit Current (Isc)		7.67A	7.78A	7.89A	8.01A	8.09A	8.19A	8.34A	8.46A
Operating Temperature		-40℃~+85℃							
Maximum System Voltage		600V (UL)							
Maximum Series Fuse Rating		15A							
Power Tolerance		+5W							
Temperature Coefficient	Pmax	-0.43%/℃							
	Voc	-0.34 %/℃							
	Isc	0.065 %/℃							
	NOCT	45℃							

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

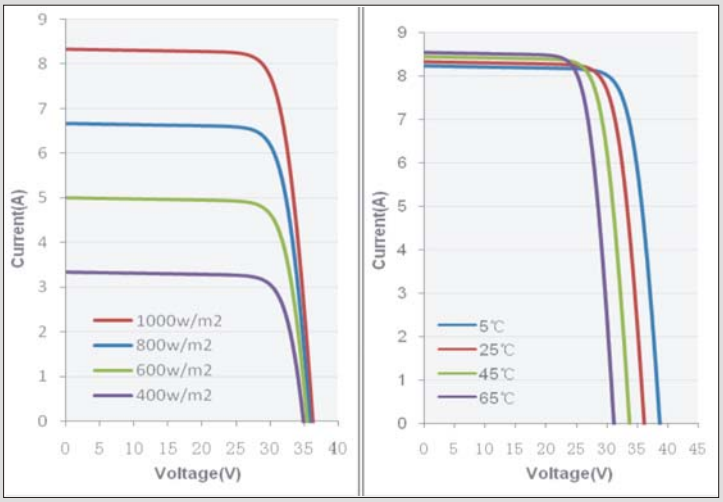
Mechanical Data

Cell Type	Poly-crystalline
Cell Arrangement	60 (6 x 10)
Dimensions	1638 x 982 x 40mm (64.5 x 38.7 x 1.57in)
Weight	22kg (48.5 lbs)
Front Cover	Tempered glass
Frame Material	Anodized aluminium alloy
Standard Packaging (Modules per Pallet)	20pcs

Engineering Drawings



I-V Curves (CS6P-230PX)



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

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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 is on track to expand cell capacity to 700MW and module capacity to 1.3GW in 2010.

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