ClearPower CS6P

200/205/210/215/220/225/230/235/240M

On-grid Module

ClearPower CS6P is a robust solar standardized module with a tempered glass front,transparent backsheet and anodized black(or silver) aluminium frame. 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.

Key Features

- Cost-effective standardized solar mosules for skylight, roofing, and facades applications
- Transparent backsheet features aesthetic appearance and light transmission/shading (Transmission rate: 6%)
- Industry leading plus only power tolerance: +5W (2.1%)
- Strong framed module, passing mechanical load test of 5400Pa to withstand heavier snow load
- 6 years product warranty (materials and workmanship); 25 years module power output warranty
- The 1st manufacturer in PV industry to apply ISO: TS16949 (The automotive quality management system) in module production since 2003
- ISO17025 for qualified manufacturer owned testing lab, fully complying to IEC, TUV, UL testing standards

Applications

- Skylight
- Carport shading
- Greenhouse roofing
- Facades
- Other on-grid applications

Quality Certificates

- IEC61215/IEC61730, UL1703, CE
- ISO9001:2008: Standards for quality management systems
- ISO/TS16949:2009: The automotive quality management system

Environment Certificates

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

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CS6P-200/205/210/215/220/225/230/235/240M

ClearPower

Electrical Data

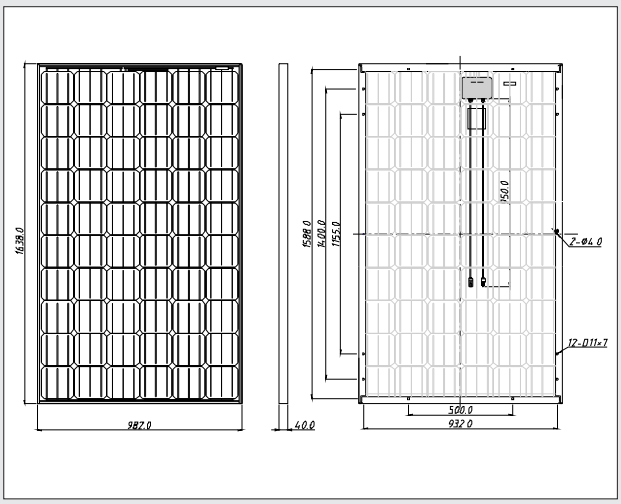
		CS6P-200M	CS6P-205M	CS6P-210M	CS6P-215M	CS6P-220M	CS6P-225M	CS6P-230M	CS6P-235M	CS6P-240M
Nominal Maximum Power at STC (Pmax)		200W	205W	210W	215W	220W	225W	230W	235W	240W
Optimum Operating Voltage (Vmp)		29.2V	29.2V	29.3V	29.3V	29.5V	29.7V	29.9V	30.1V	30.2V
Optimum Operating Current (Imp)		6.86A	7.02A	7.17A	7.33A	7.45A	7.58A	7.70A	7.82A	7.95A
Open Circuit Voltage (Voc)		36.5V	36.5V	36.7V	36.8V	36.9V	37.0V	37.1V	37.2V	37.3V
Short Circuit Current (Isc)		7.56A	7.66A	7.77A	7.89A	7.97A	8.07A	8.22A	8.34A	8.46A
Operating Temperature		-40℃~+85℃								
Maximum System Voltage		1000V (IEC) /600V (UL)								
Maximum Series Fuse Rating		15A								
Power Tolerance		+5W								
Temperature Coefficient	Pmax	-0.45%/℃								
	Voc	-0.35%/℃								
	Isc	0.060%/℃								
	NOCT	45℃								

Under Standard Test Conditions (STC) of irradiance of 1000W/m^2, spectrum AM 1.5 and cell temperature of 25℃

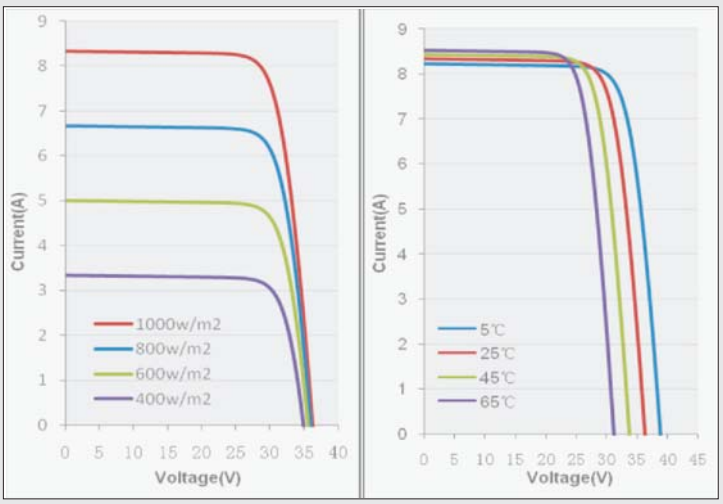
Mechanical Data

Cell Type	Mono-crystalline
Cell Arrangement	60 (6 x 10)
Dimensions	1638x982x40mm(64.5x38.7x1.57 in)
Weight	20.0kg (44.1 lbs)
Front Cover	Tempered glass
Frame Material	Anodized aluminium alloy
Standard Packaging (Modules per Pallet)	20pcs

Engineering Drawings



I-V Curves (CS6P-240M)



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

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