



## CS6P


### All-Black


255 | 260 | 265 | 270M


#### THE BEST IN CLASS


Canadian Solar's PV modules are the best in class in terms of power output and long-term reliability. Our meticulous product design and stringent quality control processes ensure our modules deliver a higher PV energy yield in live PV systems as well as in PVsyst's system simulations. Our in-house PV testing facilities guarantee all module component materials meet the highest quality standards possible.


#### PRODUCT | KEY FEATURES


- 


Excellent Module Efficiency  
Up to 16.16%
- 


High Performance at Low Irradiance Above 95.5%
- 

Positive Power Tolerance  
Up to 5W
- 

High PTC Rating  
Up to 91.3%
- 

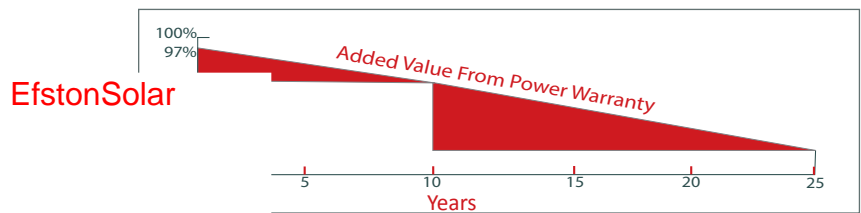
Anti-Soil Buildup, Anti-Reflective  
Module Surface
- 

IP67 Junction Box  
Long-Term Weather Endurance
- 

Heavy snow Load  
Up to 5400Pa
- 

Salt Mist, Ammonia and Blowing Sand  
Resistance, Apply to Seaside, Farm and  
Desert Environment

#### PRODUCT | WARRANTY & INSURANCE



try leading linear power output warranty  
ict warranty on materials and workmanship



Canadian Solar provides 100% non-cancellable, and immediate warranty insurance.

#### PRODUCT & MANAGEMENT SYSTEM | CERTIFICATES

IEC61215/IEC61730: VDE/TUV/CE/MCS/CEC AU/INMETRO  
CEC listed (US)/FSEC (US Florida)

UL1703: CSA

PV CYCLE | IEC61701 ED2: VDE | UL Fire Class Rating: C

- ISO9001:2008 | Quality management system
- ISOTS16949:2009 | The automotive industry quality management system
- ISO14001:2004 | Standards for environmental management system
- QC080000:2012 | The certificate for hazardous substances process management
- OHSAS 18001:2007 | International standards for occupational health and safety

Canadian Solar Inc.

Founded in 2001 in Canada, Canadian Solar Inc., (NASDAQ:CSIQ) is one of the world's largest and foremost solar power companies. As a leading manufacturer of solar modules and PV project developer with about 6 GW of premium quality modules deployed around the world more than a decade, Canadian Solar is one of the most bankable solar companies in the world. Canadian Solar operates in six continents with customers in over 70 countries. Canadian Solar is committed to providing high-quality solar products, solar system solutions and services to customers around the world.

## ELECTRICAL DATA | STC

Electrical Data	CS6P-255M	CS6P-260M	CS6P-265M	CS6P-270M
Nominal Maximum Power (Pmax)	255W	260W	265W	270W
Optimum Operating Voltage (Vmp)	30.5V	30.7V	30.9V	31.1V
Optimum Operation Current (Imp)	8.35A	8.48A	8.61A	8.67A
Open Circuit Voltage (Voc)	37.7V	37.8V	37.9V	38.2V
Short Circuit Current (Isc)	8.87A	8.99A	9.11A	9.19A
Module Efficiency	15.85%	16.16%	16.47%	16.79%
Operating Temperature	-40°C~+85°C			
Maximum System Voltage	1000V (IEC)/600V (UL)			
Maximum Series Fuse Rating	15A			
UL Fire Classification	Class C			
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

## ELECTRICAL DATA | NOCT

Electrical Data	CS6P-255M	CS6P-260M	CS6P-265M	CS6P-270M
Nominal Maximum Power (Pmax)	184W	188W	192W	196W
Optimum Operating Voltage (Vmp)	27.8V	28.0V	28.1V	28.3V
Optimum Operating Current (Imp)	6.62A	6.70A	6.80A	6.90A
Open Circuit Voltage (Voc)	34.6V	34.7V	34.9V	35.0V
Short Circuit Current (Isc)	7.18A	7.28A	7.38A	7.48A

\*Under nominal operating temperature, irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C wind speed 1 m/s.

## PRODUCT | MECHANICAL DATA

Specification	Data
Cell Type:	Mono-crystalline 156 x 156mm.
Cell Arrangement:	60 (6 x 10)
Dimensions:	1638 x 982 x 40mm (64.5 x 38.7 x 1.57in)
Weight:	18.5kg (40.8 lbs.)
Front Cover:	3.2mm tempered glass
Module Frame Material:	Anodized aluminum alloy
J-Box:	IP65 or IP67, 3 diodes
Cable:	4mm <sup>2</sup> (IEC)/12AWG (UL)/1000mm
Connectors:	MC4 or MC4 Comparable
Standard Packaging:	24 pcs, 504kg (Quantity and weight per pallet)
Module Pieces per Container:	672 pcs (40' HQ)

## TEMPERATURE | CHARACTERISTICS

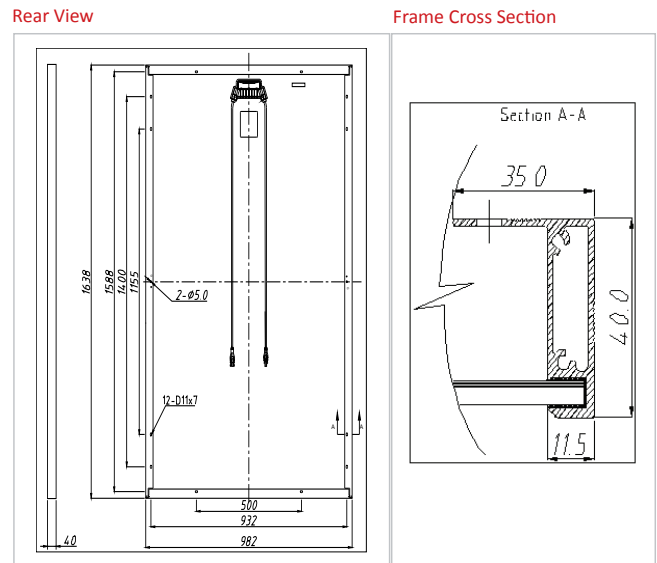
Specification	Data
Temperature Coefficient (Pmax)	-0.45%/°C
Temperature Coefficient (Voc)	-0.35%/°C
Temperature Coefficient (Isc)	0.060%/°C
Normal Operating Cell Temperature	45±2°C

## PERFORMANCE | AT LOW IRRADIANCE

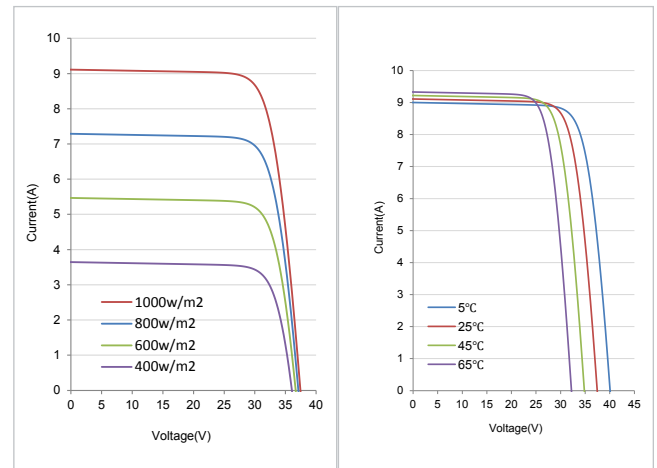
Industry leading performance at low irradiation environments, +95.5% PV module efficiency from an irradiance of 1000w/m<sup>2</sup> to 200w/m<sup>2</sup> (AM 1.5, 25°C).

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## MODULE | ENGINEERING DRAWING



## CS6P-270M | I-V CURVES



## Partner Section

