

## CS6P

### Black Frame

255 | 260 | 265 | 270M

#### PRODUCT | KEY FEATURES



Excellent Module Efficiency  
Up to 16.16%



High Performance at Low  
Irradiance: 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

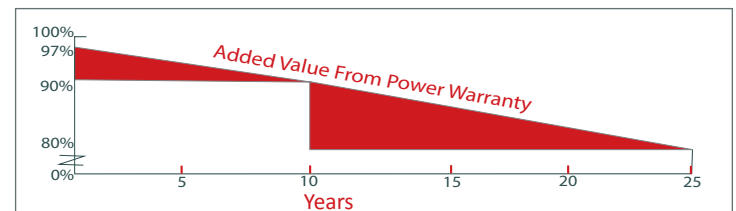


Heavy Snow Load  
Up to 5400Pa



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

#### PRODUCT | WARRANTY & INSURANCE



**25 Year** Industry leading linear power output warranty  
**10 Year** Product warranty on materials and workmanship



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

#### PRODUCT & MANAGEMENT SYSTEM | CERTIFICATES

IEC61215/IEC61730: VDE/MCS/CEC AU

CEC listed (US)/FSEC (US Florida)

UL1703: CSA | IEC61701 ED2: VDE | IEC62716: TUV

PV CYCLE | UNI9177 | UL Fire Class Rating: C

ISO9001:2008

I Quality management system

ISOTS16949:2009

I The automotive industry quality management system

ISO14001:2004

I Standards for environmental management system

QC080000:2012

I The certificate for hazardous substances process management

OHSAS 18001:2007

I 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.



**888-777-5255**  
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## 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 Operating 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/1100mm** |
| Connectors:                  | MC4 or MC4 Comparable                                 |
| Standard Packaging:          | 24 pcs, 504kg (Quantity and weight per pallet)        |
| Module Pieces per Container: | 672 pcs (40' HQ)                                      |

\*\*The CS6P with cable of 1100mm is only for Canadian market.

## TEMPERATURE | CHARACTERISTICS

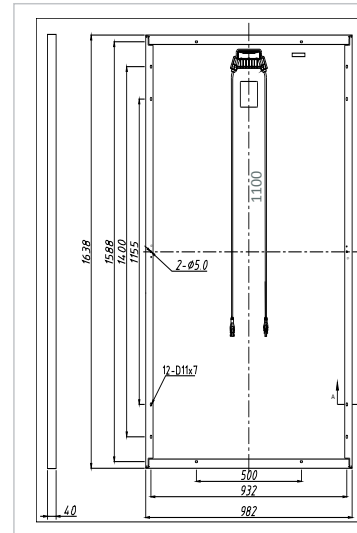
| Specification                     | Data      |
|-----------------------------------|-----------|
| Temperature Coefficient (Pmax)    | -0.45%/°C |
| Temperature Coefficient (Voc)     | -0.35%/°C |
| Temperature Coefficient (Isc)     | 0.060%/°C |
| Normal Operating Cell Temperature | 45±2°C    |

## PERFORMANCE | AT LOW IRRADIANCE

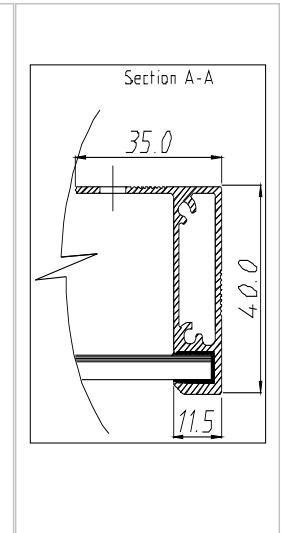
Industry leading performance at low irradiation environments, +95.5% PV module efficiency from an irradiance of 1000w/m<sup>2</sup> to 200w/m<sup>2</sup> (AM 1.5, 25°C).

## MODULE | ENGINEERING DRAWING

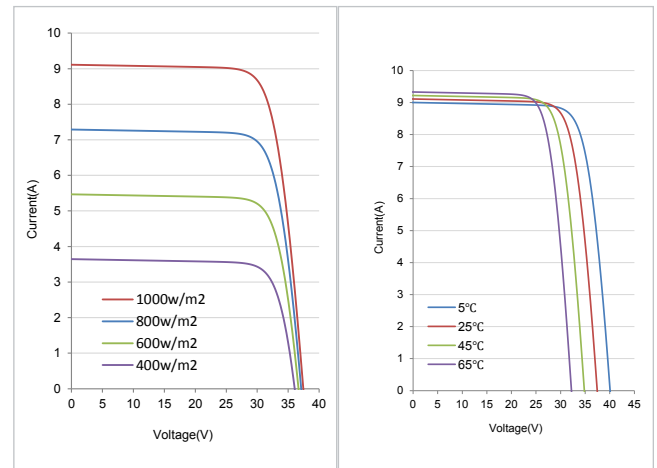
Rear View



Frame Cross Section



## CS6P-270M | I-V CURVES



Partner Section



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