

## CS6C-145 | 150P

CS6C is a robust off-grid solar module with 36 solar cells. Our meticulous design and production techniques ensure a high-yield, longterm 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



Outstanding low irradiance performance > 95.5 %



Power tolerance  $\pm 3 \%$



IP67 junction box for long-term weather endurance



Heavy snow load up to 5400 Pa  
wind load up to 2400 Pa

### MANAGEMENT SYSTEM CERTIFICATES\*

ISO 9001: 2008 / Quality management system

ISO/TS 16949:2009 / The automotive industry quality management system

ISO 14001:2004 / Standards for environmental management system

OHSAS 18001:2007 / International standards for occupational health & safety

### PRODUCT CERTIFICATES\*

IEC 61215 / IEC 61730: VDE / CE / MCS

UL 1703: CSA / PV CYCLE (EU)



\*As there are different certification requirements in different markets, please contact your local Canadian Solar sales representative for the specific certificates applicable to the products in the region in which the products are to be used.

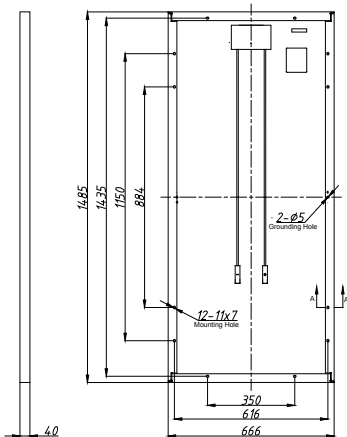
**CANADIAN SOLAR INC.** is committed to providing high quality solar products, solar system solutions and services to customers around the world. As a leading manufacturer of solar modules and PV project developer with about 9 GW of premium quality modules deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.

### CANADIAN SOLAR INC.

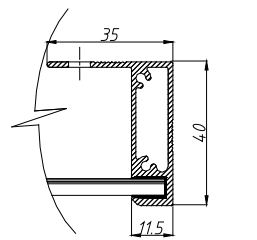
545 Speedvale Avenue West, Guelph, Ontario N1K 1E6, Canada, [www.canadiansolar.com](http://www.canadiansolar.com), [support@canadiansolar.com](mailto:support@canadiansolar.com)

## MODULE / ENGINEERING DRAWING (mm)

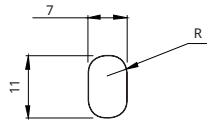
### Rear View



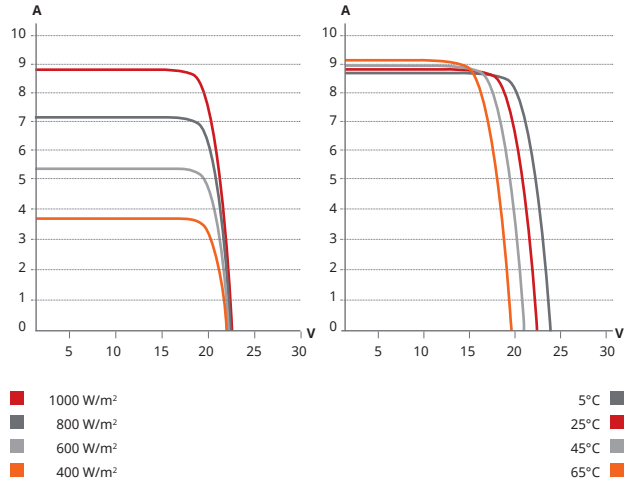
### Frame Cross Section A-A



### Mounting Hole



## CS6C-150P / I-V CURVES



## ELECTRICAL DATA | STC\*

Electrical Data CS6C	145P	150P
Nominal Max. Power (Pmax)	145 W	150 W
Opt. Operating Voltage (Vmp)	17.9 V	18.1 V
Opt. Operating Current (Imp)	8.09 A	8.30 A
Open Circuit Voltage (Voc)	22.2 V	22.3 V
Short Circuit Current (Isc)	8.65 A	8.87 A
Module Efficiency	14.66 %	15.17 %
Operating Temperature	-40°C ~ +85°C	
Max. System Voltage	1000 V (IEC) or 1000 V (UL)	
Module Fire Performance	TYPE 1 (UL 1703) or CLASS C (IEC61730)	
Max. Series Fuse Rating	15 A	
Application Classification	Class A	
Power Tolerance	± 3 %	

\* Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

## ELECTRICAL DATA | NOCT\*

Electrical Data CS6C	145P	150P
Nominal Max. Power (Pmax)	105 W	109 W
Opt. Operating Voltage (Vmp)	16.3 V	16.5 V
Opt. Operating Current (Imp)	6.44 A	6.59 A
Open Circuit Voltage (Voc)	20.4 V	20.5 V
Short Circuit Current (Isc)	7.01 A	7.19 A

\* Under Nominal Operating Cell Temperature (NOCT), irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

## PERFORMANCE AT LOW IRRADIANCE

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

The specification and key features described in this Datasheet may deviate slightly and are not guaranteed. Due to on-going innovation, research and product enhancement, Canadian Solar Inc. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

Caution: For professional use only. The installation and handling of PV modules requires professional skills and should only be performed by qualified professionals. Please read the safety and installation instructions before using the modules.

## MODULE | MECHANICAL DATA

Specification	Data
Cell Type	Poly-crystalline, 6 inch
Cell Arrangement	36 (4 × 9)
Dimensions	1485 x 666 x 40mm (58.4 x 26.2x1.57in)
Weight	12 kg (26.5 lbs)
Front Cover	3.2 mm tempered glass
Frame Material	Anodized aluminium alloy
J-BOX	IP67, 2 diodes
Cable	4 mm <sup>2</sup> (IEC) or 4 mm <sup>2</sup> & 12 AWG 1000 V (UL), 950 mm (37.4 in)
Connectors	MC4 or MC4 comparable
Stand. Packaging	36 pcs
Module Pieces per Container	792 pcs (40')

## TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.43% / °C
Temperature Coefficient (Voc)	-0.34% / °C
Temperature Coefficient (Isc)	0.065% / °C
Nominal Operating Cell Temperature	45±2°C

## PARTNER SECTION

