NEW

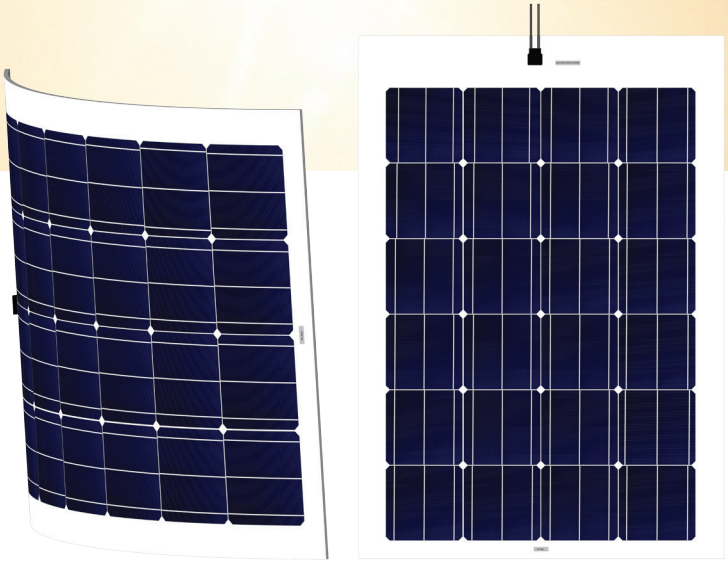
Preliminary Technical Information Sheet

CanadianSolar

FLEX

CS6F-100|105P

Canadian Solar's semi-flexible modules provide high output with lightweight design. Replacing the traditional hard glass solar panels, these modules can be mounted on a curved surface. High quality and reliability in all Canadian Solar modules is ensured by over 16 years of experience in module manufacturing, well-engineered module design, a well-defined manufacturing process and 100% EL testing.



KEY FEATURES

- Flexible up to 30° per meter
- IP67 junction box for long-term weather endurance
- Lightweight design (weighs 75% less than regular modules
- Excellent module efficiency up to 14.92%

1 year **limited product and performance warranty**

MANAGEMENT SYSTEM CERTIFICATES*

ISO 9001:2008 / Quality management system

ISO 14001:2004 / Standards for environmental management system

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

* 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 (USA), INC. is committed to providing high quality solar products, solar system solutions and services to customers around the world. As a leading PV project developer and manufacturer of solar modules with over 21 GW deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.

*For detail information, please refer to Installation Manual.

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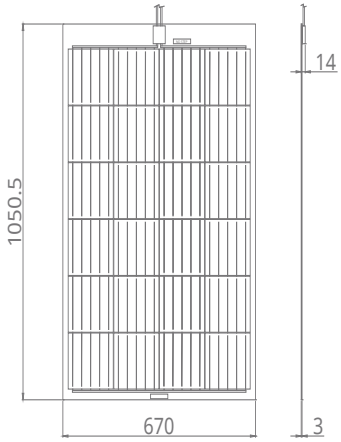
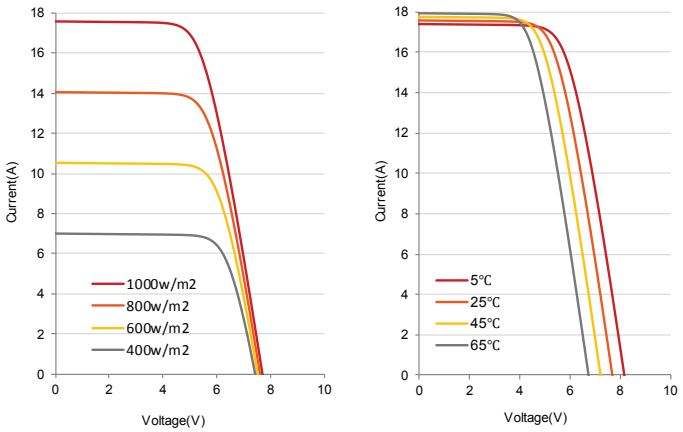
ENGINEERING DRAWING (mm)



CS6F-100P / I-V CURVES



ELECTRICAL DATA | STC*

CS6F	100P	105P
Nominal Max. Power (Pmax)	100 W	105 W
Opt. Operating Voltage (Vmp)	6.3 V	6.4 V
Opt. Operating Current (Imp)	16.2 A	16.54 A
Open Circuit Voltage (Voc)	7.7 V	7.8 V
Short Circuit Current (Isc)	17.6 A	17.8 A
Module Efficiency	14.27%	14.92 %
Operating Temperature	-40°C ~ +85°C	
Max. System Voltage	50 V	
Max. Series Fuse Rating	15 A	
Power Tolerance	0 ~ + 2 W	

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

MECHANICAL DATA

Specification	Data
Cell Type	Poly-crystalline, 6 inch
Cell Arrangement	24 (6 × 4)
Dimensions	1050.5 x 670 mm (41.4 x 26.4 in)
Panel Thickness	3 mm ± 0.35 mm
Weight	2.7 kg (6 lbs)
Max. Bend Angle	30° per meter
Max Pressure	10 lbs/ft^2
J-Box	IP67, 1 diode
Cable	2.5 mm^2 (IEC) or 2.5 mm^2 & 14 AWG ; Rated Voltage - 1000 V
Connector	MC4 comparable
Standard Packaging	34 pieces, 125 kg (275 lbs)
Skid Dimensions	1270 x 1016 x 889 mm (50 x 40 x 35 in)

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.41 % / °C
Temperature Coefficient (Voc)	-0.31 % / °C
Temperature Coefficient (Isc)	0.053 % / °C
Nominal Module Operating Temperature	43±2 °C

PARTNER SECTION

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.