Canadian Solar’s Dymond CS6X-M-FG module is a 72 cell double-glass module. By replacing the traditional polymer backsheets with heat-strengthened glass, the Dymond module has a lower annual power degradation than a traditional module and better protection against the elements, making it more reliable and durable during its lifetime.

**KEY FEATURES**

- **1500 V<sub>dc</sub>** system voltage, saving BoS costs
- Minimizes micro-cracks and prevents snail trails
- 20 % more energy generation
- Suitable for harsh environments, such as coasts, deserts and lakes
- Fire Class A certified according to IEC 61730-2 / MST 23
- 5400 Pa snow load, 2400 Pa wind load

**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
Take-e-way

*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 PV project developer and manufacturer of solar modules with over 15 GW deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.
ELECTRICAL DATA | STC*

- **CS6X**
  - 330M-FG: 330 W
  - 335M-FG: 335 W
  - 340M-FG: 340 W
- Opt. Operating Voltage (Vmp): 37.5 V (37.8 V) (37.9 V)
- Opt. Operating Current (Imp): 8.80 A (8.87 A) (8.97 A)
- Open Circuit Voltage (Voc): 45.9 V (46.1 V) (46.2 V)
- Short Circuit Current (Isc): 9.31 A (9.41 A) (9.48 A)
- Module Efficiency: 16.90% (17.16%) (17.42%)
- Operating Temperature: -40°C ~ +85°C
- Max. System Voltage: 1500 (IEC) or 1000 V (UL)
- Module Fire Performance: CLASS A (IEC61730)
- Max. Series Fuse Rating: 15 A
- Application Classification: Class A
- Power Tolerance: 0 ~ +5 W

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

ELECTRICAL DATA | NOCT*

- **CS6X**
  - 330M-FG: 238 W
  - 335M-FG: 242 W
  - 340M-FG: 245 W
- Opt. Operating Voltage (Vmp): 34.2 V (34.5 V) (34.6 V)
- Opt. Operating Current (Imp): 6.96 A (7.01 A) (7.10 A)
- Open Circuit Voltage (Voc): 42.1 V (42.3 V) (42.4 V)
- Short Circuit Current (Isc): 7.54 A (7.62 A) (7.67 A)

* Under Nominal Operating Cell Temperature (NOCT), irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

PERFORMANCE AT LOW IRRADIANCE

Outstanding performance at low irradiance, average relative efficiency of 96.5% from an irradiance of 1000 W/m² to 200 W/m² (AM 1.5, 25°C).

MECHANICAL DATA

- Specification: Data
  - Cell Type: Mono-crystalline, 6 inch
  - Cell Arrangement: 72 (6 x 12)
  - Dimensions: 1968 x 992 x 5.8 mm (77.5 x 39.1 x 0.23 in) without J-Box and corner protector
  - Weight: 27.5 kg (60.6 lbs)

ENGINEERING DRAWING (mm)

Rear View

Corner Protector Detail

MECHANICAL DATA

- Specification: Data
  - Dimensions: 1968 x 992 x 5.8 mm (77.5 x 39.1 x 0.23 in) without J-Box and corner protector
  - Weight: 27.5 kg (60.6 lbs)

Front / Back Glass: 2.5 mm heat strengthened glass

- Frame: Frameless
- J-Box: Split J-Box, IP67, 3 diodes
- Cable: 4 mm² (IEC) or 4 mm² & 12 AWG 1000 V (UL)
- Cable Length: 1150 mm (45.3 in), 500 mm (19.7 in) (+) and 350 mm (13.8 in) (-) is optional for portrait installation*
- Connectors: H4 UTX (IEC1500 V), 05-6 (IEC1000 V)
- Per Pallet: 30 pieces, 900 kg (1984.1 lbs)
- Per container (40' HQ): 660 pieces

TEMPERATURE CHARACTERISTICS

- Specification: Data
  - Temperature Coefficient (Pmax): -0.41% / °C
  - Temperature Coefficient (Voc): -0.31% / °C
  - Temperature Coefficient (Isc): 0.053% / °C
  - Nominal Operating Cell Temperature: 45 ± 2°C

PARTNER SECTION

Canadian Solar Inc. July 2016. All rights reserved, PV Module Product Datasheet V5.51_EN

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 knowledge and should only be performed by qualified professionals. Please read the safety and installation instructions before using the modules.