Canadian Solar’s Dymond CS6K-P-FG module is a 60 cell double-glass module. By replacing the traditional polymer backsheet 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**

- **Up to IEC1500 V<sub>dc</sub> system voltage, saving BoS costs**
- Minimizes micro-cracks and prevents snail trails
- **21.5 % more energy generation**
- Suitable for harsh environments, such as coasts, deserts and lakes
- Fire Class A and Type 3 / Type 13 certified according to IEC 61730-2 / MST 23 and UL 1703
- **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 / MCS / CEC AU
- UL 1703 / IEC 61215 performance: CEC listed (US)
- UL 1703: CSA / 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.

**Canadian Solar inC.**

545 Speedvale Avenue West, Guelph, Ontario N1K 1E6, Canada, www.canadiansolar.com, support@canadiansolar.com
**ELECTRICAL DATA | STC**

<table>
<thead>
<tr>
<th>CS6K</th>
<th>260P-FG</th>
<th>265P-FG</th>
<th>270P-FG</th>
<th>275P-FG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Max. Power (Pmax)</td>
<td>260 W</td>
<td>265 W</td>
<td>270 W</td>
<td>275 W</td>
</tr>
<tr>
<td>Opt. Operating Voltage (Vmp)</td>
<td>30.4 V</td>
<td>30.6 V</td>
<td>30.8 V</td>
<td>31.0 V</td>
</tr>
<tr>
<td>Opt. Operating Current (Imp)</td>
<td>8.56 A</td>
<td>8.66 A</td>
<td>8.75 A</td>
<td>8.88 A</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>37.5 V</td>
<td>37.7 V</td>
<td>37.9 V</td>
<td>38.0 V</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>9.12 A</td>
<td>9.23 A</td>
<td>9.32 A</td>
<td>9.45 A</td>
</tr>
<tr>
<td>Module Efficiency</td>
<td>15.81%</td>
<td>16.11%</td>
<td>16.42%</td>
<td>16.72%</td>
</tr>
</tbody>
</table>

- Operating Temperature: -40°C ~ +85°C
- Max. System Voltage: 1500 V (IEC) or 1000 V (UL)
- Module Fire Performance: Type 3 / Type 13 (UL 1703) or CLASS A (IEC 61730)
- 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**

<table>
<thead>
<tr>
<th>CS6K</th>
<th>260P-FG</th>
<th>265P-FG</th>
<th>270P-FG</th>
<th>275P-FG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Max. Power (Pmax)</td>
<td>189 W</td>
<td>192 W</td>
<td>196 W</td>
<td>199 W</td>
</tr>
<tr>
<td>Opt. Operating Voltage (Vmp)</td>
<td>27.7 V</td>
<td>27.9 V</td>
<td>28.1 V</td>
<td>28.3 V</td>
</tr>
<tr>
<td>Opt. Operating Current (Imp)</td>
<td>6.80 A</td>
<td>6.88 A</td>
<td>6.96 A</td>
<td>7.05 A</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>34.5 V</td>
<td>34.7 V</td>
<td>34.8 V</td>
<td>34.9 V</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>7.39 A</td>
<td>7.48 A</td>
<td>7.55 A</td>
<td>7.66 A</td>
</tr>
</tbody>
</table>

* 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**
  - Cell Type: Poly-crystalline, 6 inch
  - Cell Arrangement: 60 (6 x 10)
- **Data**
  - Dimensions: 1658 x 992 x 5.8 mm (65.3 x 39.1 x 0.23 in) without J-box and corner protector
  - Weight: 23 kg (50.7 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: 1000 mm (39.4 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, 755 kg (1664.5 lbs)
  - Per Container (40' HQ): 780 pieces

* The application of this short length cable can only be used in portrait installation (clamping mounting method) systems in which the distance between modules should be less than or equal to 50 mm. In the event the distance between the PV modules to be installed is more than 50 mm, please make sure to consult our technical team for evaluation and advice.

**TEMPERATURE CHARACTERISTICS**

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