MAXPOWER
CS6X-310|315|320|325 P

The high quality and reliability of Canadian Solar’s modules is ensured by 15 years of experience in module manufacturing, well-engineered module design, stringent BOM quality testing, an automated manufacturing process and 100% EL testing.

KEY FEATURES

- Excellent module efficiency of up to 16.94 %
- Outstanding low irradiance performance of up to 96.0 %
- High PTC rating of up to 91.83%
- IP67 junction box for long-term weather endurance
- Heavy snow load up to 5400 Pa, wind load up to 2400 Pa

25 years linear power output warranty
10 years product warranty on materials and workmanship

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

PRODUCT CERTIFICATES*
IEC 61215 / IEC 61730: TÜV-Rheinland / VDE / CE / CEC AU / MCS / KEMCO / INMETRO / JET / CQC
UL 1703 / IEC 61215 performance: CEC listed (US)
UL 1703: CSA / IEC 61701 ED2: VDE / IEC 62716: VDE
UNI 9177 Reaction to Fire: Class 1
IEC 60068-2-68: SGS / Take-e-way

* Please contact your local Canadian Solar sales representative for the specific product certificates applicable in your market.

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 20 GW deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.
### ELECTRICAL DATA | STC*

<table>
<thead>
<tr>
<th>CS6X</th>
<th>310P</th>
<th>315P</th>
<th>320P</th>
<th>325P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Max. Power (Pmax)</td>
<td>310 W</td>
<td>315 W</td>
<td>320 W</td>
<td>325 W</td>
</tr>
<tr>
<td>Opt. Operating Voltage (Vmp)</td>
<td>36.4 V</td>
<td>36.6 V</td>
<td>36.8 V</td>
<td>37.0 V</td>
</tr>
<tr>
<td>Opt. Operating Current (Imp)</td>
<td>8.52 A</td>
<td>8.61 A</td>
<td>8.69 A</td>
<td>8.78 A</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>44.9 V</td>
<td>45.1 V</td>
<td>45.3 V</td>
<td>45.5 V</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>9.08 A</td>
<td>9.18 A</td>
<td>9.26 A</td>
<td>9.34 A</td>
</tr>
<tr>
<td>Module Efficiency</td>
<td>16.16%</td>
<td>16.42%</td>
<td>16.68%</td>
<td>16.94%</td>
</tr>
</tbody>
</table>

**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 (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. Measurement uncertainty: ±3% (Pmax).

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### ELECTRICAL DATA | NMOT*

<table>
<thead>
<tr>
<th>CS6X</th>
<th>310P</th>
<th>315P</th>
<th>320P</th>
<th>325P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Max. Power (Pmax)</td>
<td>228 W</td>
<td>231 W</td>
<td>235 W</td>
<td>239 W</td>
</tr>
<tr>
<td>Opt. Operating Voltage (Vmp)</td>
<td>33.5 V</td>
<td>33.7 V</td>
<td>33.9 V</td>
<td>34.0 V</td>
</tr>
<tr>
<td>Opt. Operating Current (Imp)</td>
<td>6.80 A</td>
<td>6.87 A</td>
<td>6.94 A</td>
<td>7.01 A</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>41.8 V</td>
<td>42.0 V</td>
<td>42.2 V</td>
<td>42.4 V</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>7.33 A</td>
<td>7.41 A</td>
<td>7.48 A</td>
<td>7.54 A</td>
</tr>
</tbody>
</table>

**Cell Type**
Poly-crystalline, 6 inch

**Cell Arrangement**
72 (6×12)

**Dimensions**
1954×982×40 mm
(76.9×38.7×1.57 in)

**Weight**
22 kg (48.5 lbs)

**Front Cover**
3.2 mm tempered glass

**Frame Material**
Anodized aluminium alloy

**J-Box**
IP67, 3 diodes

**Cable**
4 mm² (IEC) or 4 mm² & 12 AWG 1000V (UL), 1150 mm

**Connector**
MC KST4/X and KBT4/X

**Per Pallet**
26 pieces, 620 kg (1366.9 lbs)

**Per Container (40’ HQ)**
624 pieces

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

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### PERFORMANCE AT LOW IRRADIANCE

Outstanding performance at low irradiance, with an average relative efficiency of 96.0% for irradiances between 200 W/m² and 1000 W/m² (AM 1.5, 25°C).

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### PARTNER SECTION

The aforesaid datasheet only provides the general information on Canadian Solar products and, due to the on-going innovation and improvement, please always contact your local Canadian Solar sales representative for the updated information on specifications, key features and certification requirements of Canadian Solar products in your region.

Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.

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Scan this QR-code to discover solar projects built with this module

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**TEMPERATURE CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp. Coefficient (Pmax)</td>
<td>-0.41 % / °C</td>
</tr>
<tr>
<td>Temp. Coefficient (Voc)</td>
<td>-0.31 % / °C</td>
</tr>
<tr>
<td>Temp. Coefficient (Isc)</td>
<td>0.053 % / °C</td>
</tr>
<tr>
<td>Nominal Module Operating Temperature (NMOT)</td>
<td>43±2 °C</td>
</tr>
</tbody>
</table>

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**MECHANICAL DATA**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Data</th>
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<tr>
<td>Cell Type</td>
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<td>72 (6×12)</td>
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<td>Dimensions</td>
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</table>
(76.9×38.7×1.57 in)
| Weight | 22 kg (48.5 lbs) |
| Front Cover | 3.2 mm tempered glass |
| Frame Material | Anodized aluminium alloy |
| J-Box | IP67, 3 diodes |
| Cable | 4 mm² (IEC) or 4 mm² & 12 AWG |
1000V (UL), 1150 mm
| Connector | MC KST4/X and KBT4/X |
| Per Pallet | 26 pieces, 620 kg (1366.9 lbs) |
| Per Container (40’ HQ) | 624 pieces |

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