

QUARTECH

CS6P-260 | 265 | 270P

Canadian Solar's new Quartech modules have significantly raised the standard of module efficiency in the solar industry. They introduced innovative four busbar cell technology, which demonstrates higher power output and higher system reliability. Worldwide, our customers have embraced this next generation of modules for their excellent performance, superior reliability and enhanced value.

NEW TECHNOLOGY

- Reduces cell series resistance
- Reduces stress between cell interconnectors
- Improves module conversion efficiency
- Improves product reliability

KEY FEATURES



Higher energy yield

- Outstanding performance at low irradiance
- Maximum energy yield at low NOCT
- Improved energy production through reduced cell series resistance



Increased system reliability

- Long-term system reliability with IP67 junction box
- Enhanced system reliability in extreme temperature environment with special cell level stress release technology



Extra value to customers

- Positive power tolerance of up to 5 W
- Stronger 40 mm robust frame to hold snow load up to 5400 Pa and wind load up to 2400 Pa
- Anti-glare project evaluation
- Salt mist, ammonia and blowing sand resistance apply to seaside, farm and desert environments*



linear power output warranty



product warranty on materials and workmanship

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/MCS/CE / JET/SII/CEC AU/INMETRO/CQC
 UL 1703 / IEC 61215 performance: CEC listed (US) / FSEC (US Florida)
 UL 1703: CSA / IEC 61701 ED2: VDE / IEC 62716: VDE / IEC 60068-2-68: SGS
 Take-e-way / UNI 9177 Reaction to Fire: Class 1

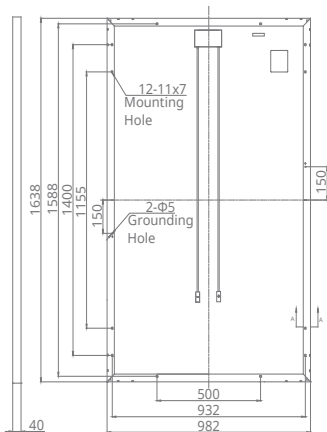


* As there are different certification requirements in different markets, please contact your local Canadian Solar sales representative for the specific certificates applicable to the products in the region in which the products are to be used.

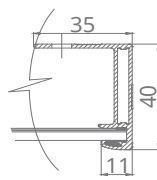
CANADIAN SOLAR INC. is committed to providing high quality solar products, solar system solutions and services to customers around the world. As a leading manufacturer of solar modules and PV project developer with over 14 GW of premium quality modules deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.

ENGINEERING DRAWING (mm)

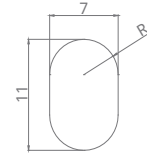
Rear View



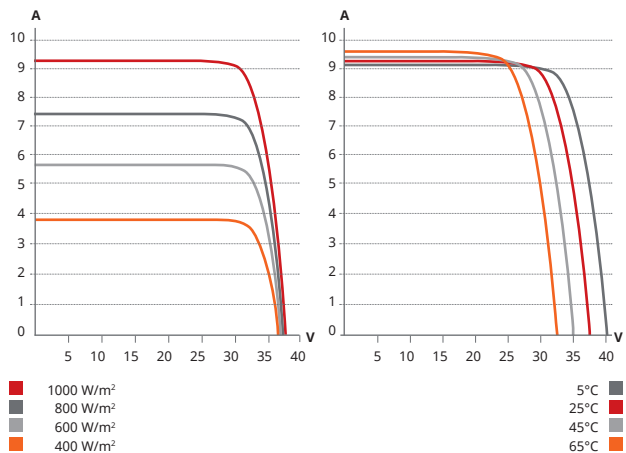
Frame Cross Section A-A



Mounting Hole



CS6P-265P / I-V CURVES



ELECTRICAL DATA / STC*

| CS6P | 260P | 265P | 270P |
|------------------------------|--|---------|---------|
| Nominal Max. Power (Pmax) | 260 W | 265 W | 270 W |
| Opt. Operating Voltage (Vmp) | 30.4 V | 30.6 V | 30.8 V |
| Opt. Operating Current (Imp) | 8.56 A | 8.66 A | 8.75 A |
| Open Circuit Voltage (Voc) | 37.5 V | 37.7 V | 37.9 V |
| Short Circuit Current (Isc) | 9.12 A | 9.23 A | 9.32 A |
| Module Efficiency | 16.16 % | 16.47 % | 16.79 % |
| 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 | 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*

| CS6P | 260P | 265P | 270P |
|------------------------------|--------|--------|--------|
| Nominal Max. Power (Pmax) | 189 W | 192 W | 196 W |
| Opt. Operating Voltage (Vmp) | 27.7 V | 27.9 V | 28.1 V |
| Opt. Operating Current (Imp) | 6.80 A | 6.88 A | 6.97 A |
| Open Circuit Voltage (Voc) | 34.5 V | 34.7 V | 34.8 V |
| Short Circuit Current (Isc) | 7.39 A | 7.48 A | 7.55 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

Industry leading 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).

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.

MECHANICAL DATA

| Specification | Data |
|-----------------------------|--|
| Cell Type | Poly-crystalline, 6 inch |
| Cell Arrangement | 60 (6×10) |
| Dimensions | 1638×982×40 mm (64.5×38.7×1.57 in) |
| Weight | 18 kg (39.7 lbs) |
| Front Cover | 3.2 mm tempered glass |
| Frame Material | Anodized aluminium alloy |
| J-Box | IP67, 3 diodes |
| Cable | 4 mm ² (IEC) or 4 mm ² & 12AWG 1000 V (UL), 1000 mm (39.4 in) (650 mm (25.6 in) is optional) |
| Connectors | Friends PV2a (IEC), Friends PV2b (IEC / UL) |
| Standard | 26 pieces, 515 kg (1135.4 lbs) |
| Packaging | (quantity & weight per pallet) |
| Module Pieces per Container | 728 pieces (40' HQ) |

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



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