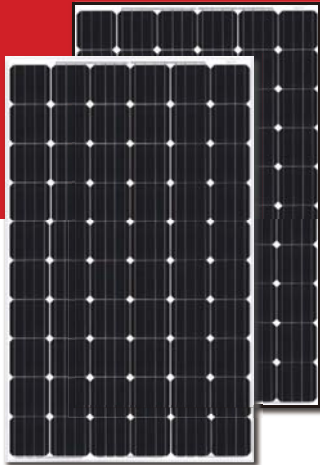


QUARTECH

The Next Generation Module

CS6P-250 | 255 | 260M



*Black Frame Product is Optional

PRODUCT | KEY BENEFITS

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

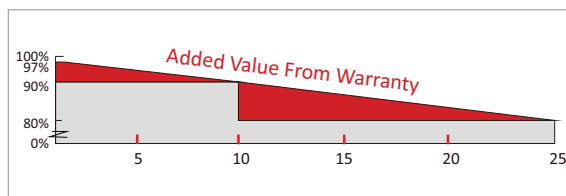


- Enhanced system performance stability with PID resistant technology
- Long term system reliability with IP67 Junction Box
- Enhanced system reliability in extreme temperature environment with special cell level stress release technology

Extra Value to Customers



- Positive power tolerance up to 5W
- Stronger 40mm robust frame to hold 5400 Pa load
- Anti-glare project evaluation
- Salt mist corrosion resistance
- Ammonia resistance
- 25 Year Linear Performance Warranty
- 25 year Performance Warranty Insurance



QUARTECH MODULE | THE NEXT GENERATION MODULE

Canadian Solar's new Quartech modules have raised the module efficiency to a new standard in the solar industry, making 3 busbar cell a yesterday's technology. With the latest 4 busbar cell technology, Quartech modules demonstrated significant superiority over current 3 busbar cell modules in the area of power output and solar system reliability.

4 BUSBAR CELL MODULE | A BETTER MODULE

Quartech 4 busbar cell technology surpasses 3 busbar cell technology in the following aspects:

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

PRODUCT & MANAGEMENT SYSTEM | CERTIFICATES

IEC 61215 / IEC 61730: VDE / MCS / CE / CEC AU
 UL 1703 / IEC 61215 performance: CEC listed (US) / FSEC (US Florida)
 UL 1703: CSA | IEC 61701 ED2: VDE | IEC 62716: TUV
 UNI9177 Reaction to Fire: Class 1

ISO9001: 2008 | Quality management system
 ISOTS16949:2009 | The automotive industry quality management system
 ISO14001:2004 | Standards for environmental management system
 QC080000:2012 | The certificate for hazardous substances process management
 OHSAS 18001:2007 | International standards for occupational health and safety

CANADIAN SOLAR INC.

Founded in 2001 in Canada, Canadian Solar Inc., (NASDAQ:CSIQ) is one of the world's largest and foremost solar power companies. As a leading manufacturer of solar modules and PV project developer with about 6 GW of premium quality modules deployed around the world in the past 12 years, Canadian Solar is one of the most bankable solar companies in Europe, USA, Japan and China. Canadian Solar operates in six continents with customers in over 70 countries and regions. Canadian Solar is committed to providing high quality solar products, solar system solutions and services to customers around the world.

ELECTRICAL DATA | STC

Electrical Data	CS6P-250M	CS6P-255M	CS6P-260M
Nominal Maximum Power (Pmax)	250W	255W	260W
Optimum Operating Voltage (Vmp)	30.4V	30.5V	30.7V
Optimum Operating Current (Imp)	8.22A	8.35A	8.48A
Open Circuit Voltage (Voc)	37.5V	37.7V	37.8V
Short Circuit Current (Isc)	8.74A	8.87A	8.99A
Module Efficiency	15.54%	15.85%	16.16%
Operating Temperature	-40°C~+85°C		
Maximum System Voltage	1000V (IEC) /600V (UL)		
Maximum Series Fuse Rating	15A		
Application Classification	Class A		
Power Tolerance	0 ~ +5W		

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

ELECTRICAL DATA | NOCT

Electrical Data	CS6P-250M	CS6P-255M	CS6P-260M
Nominal Maximum Power (Pmax)	180W	184W	188W
Optimum Operating Voltage (Vmp)	27.7V	27.8V	28.0V
Optimum Operating Current (Imp)	6.51A	6.62A	6.70A
Open Circuit Voltage (Voc)	34.4V	34.6V	34.7V
Short Circuit Current (Isc)	7.08A	7.18A	7.28A

*Under Normal Operating Cell Temperature, Irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

MODULE | MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline 156 x 156mm
Cell Arrangement	60 (6 x 10)
Dimensions	1638 x 982 x 40mm (64.5 x 38.7 x 1.57in)
Weight	18.5kg (40.8 lbs)
Front Cover	3.2mm Tempered glass
Frame Material	Anodized aluminium alloy
J-BOX	IP65 or IP67, 3 diodes
Cable	4mm ² (IEC)/12AWG(UL), 1000mm
Connectors	MC4 or MC4 Comparable
Standard Packaging	24pcs, 504kg (Quantity and weight per pallet)
Module Pieces per container	672pcs (40'HQ)

TEMPERATURE CHARACTERISTICS

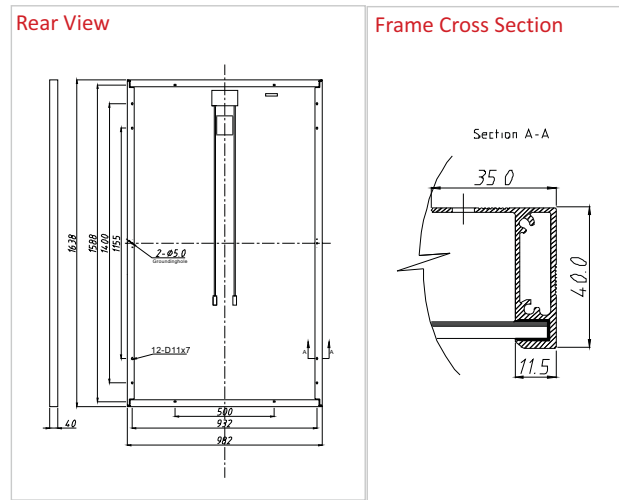
Specification	Data
Temperature Coefficient (Pmax)	-0.45%/°C
Temperature Coefficient (Voc)	-0.35%/°C
Temperature Coefficient (Isc)	0.060%/°C
Normal Operating Cell Temperature	45±2°C

PERFORMANCE AT LOW IRRADIANCE

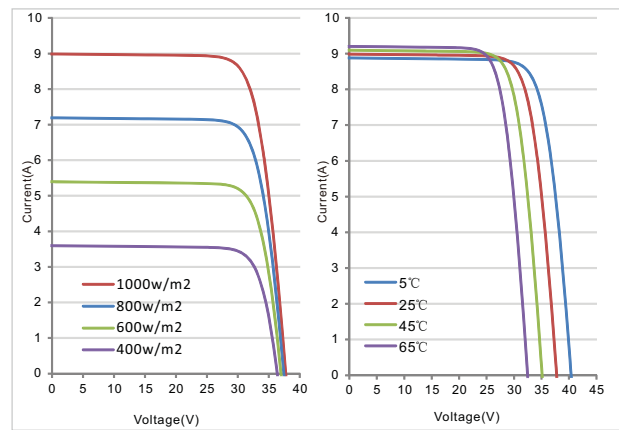
Industry leading performance at low irradiation environment, +95.5% module efficiency from an irradiance of 1000w/m² to 200w/m² (AM 1.5, 25 °C)

*We, Canadian Solar Inc., hereby disclaim any representation, warranty or guarantee that the information provided in this datasheet is accurate, correct, reliable or current. No party may claim reliance on any information furnished herein. Specifications, pictures, drawings, product features and certifications described in this datasheet are for reference purposes only. We reserve the right to make any adjustments to the information contained herein at any time without notice. Please always obtain the most recent revision of datasheet which shall be duly signed by the authorized representatives of both parties and incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

MODULE | ENGINEERING DRAWING



CS6P-260M | I-V CURVES



Partner Section

