

Canadian Solar New Technology

Quartech CS6P-P UP TO 260W

Increased efficiency from
4 busbar cell technology

Module Size: H1638×W982×D40

Weight: 19kg (41.9 lbs)

Cell Arrangement: 60 (6x10)

Max Module Efficiency ---- **16.16%**

Max Rated Power ----- **260w**

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

25 Years
Module
Power Output
Warranty

25 Years
Module
Warranty
Insurance

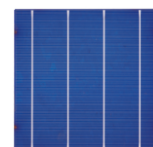


* Black frame module is also available



New Cell Technology

Quartech module with 4 busbar cell



- shortens current transmission course on the fingers
- reduces cell series resistance
- increases cell efficiency
- improves module conversion efficiency and reliability

Electrical Data

STC	CS6P-250P	CS6P-255P	CS6P-260P
Nominal Maximum Power (Pmax)	250W	255W	260W
Optimum Operating Voltage (Vmp)	30.1V	30.2V	30.4V
Optimum Operating Current (Imp)	8.30A	8.43A	8.56A
Open Circuit Voltage (Voc)	37.2V	37.4V	37.5V
Short Circuit Current (Isc)	8.87A	9.00A	9.12A
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

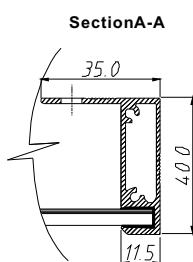
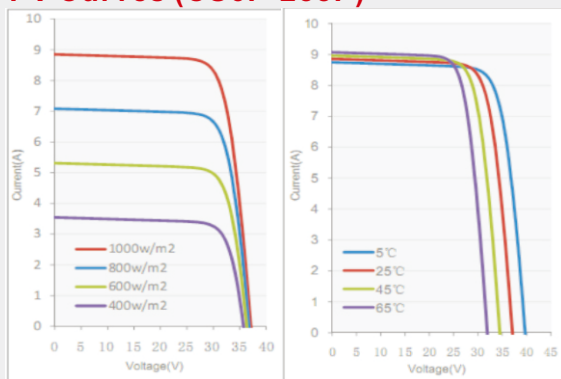
NOCT	CS6P-250P	CS6P-255P	CS6P-260P
Nominal Maximum Power (Pmax)	181W	185W	189W
Optimum Operating Voltage (Vmp)	27.5V	27.5V	27.7V
Optimum Operating Current (Imp)	6.60A	6.71A	6.80A
Open Circuit Voltage (Voc)	34.2V	34.4V	34.5V
Short Circuit Current (Isc)	7.19A	7.29A	7.39A

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

Mechanical Data

Cell Type	Poly-crystalline 156 x 156mm, 4 Busbar
Cell Arrangement	60 (6 x 10)
Dimensions	1638 x 982 x 40mm (64.5 x 38.7 x 1.57in)
Weight	19kg (41.9 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 (Modules per Pallet)	24pcs
Module Pieces per container (40 ft . Container)	672pcs (40'HQ)

I-V Curves (CS6P-255P)



*Specifications included in this datasheet are subject to change without prior notice.

About Canadian Solar

Canadian Solar Inc. is one of the world's largest solar companies. Canadian Solar was founded in Canada in 2001 and was successfully listed on NASDAQ Exchange (symbol: CSIQ) in November 2006. Canadian Solar has over 5GW of solar modules deployed to over 70 countries and regions in the past 12 years. It is ranked top 5 solar companies in the world in 2012 with over 20 subsidiaries worldwide.

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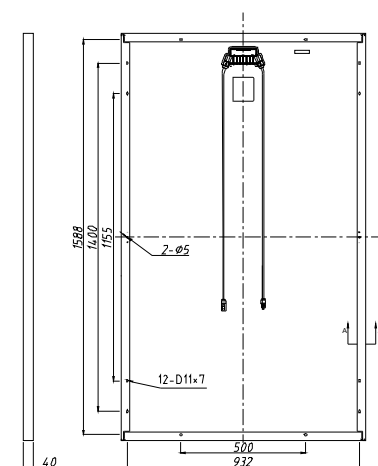
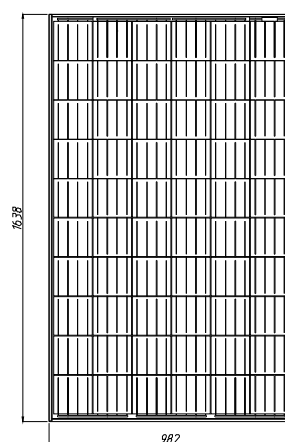
Temperature Characteristics

Temperature Coefficient	Pmax	-0.43%/°C
	Voc	-0.34 %/°C
	Isc	0.065 %/°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)

Engineering Drawings



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