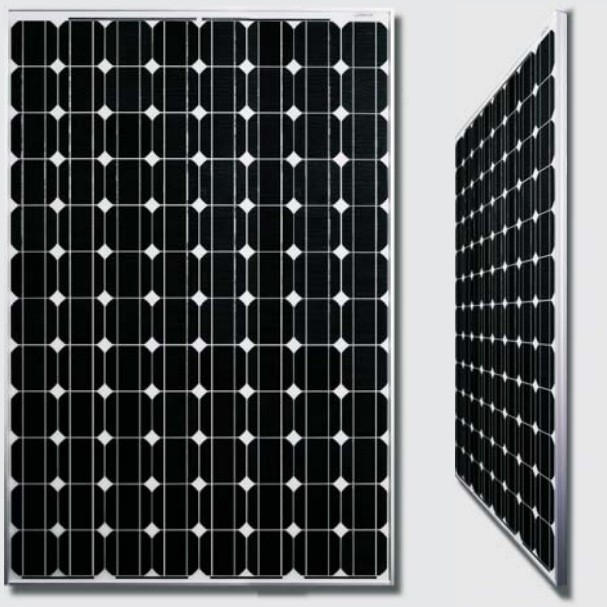
CanadianSolar

# CS5P

## 240/245/250/255/260M



## On-grid Module

CS5P is a robust big solar module with 96 solar cells. These modules can be used for on-grid solar applications. Our meticulous design and production techniques ensure a high-yield, long-term performance for every module produced. Our rigorous quality control and in-house testing facilities guarantee Canadian Solar's modules meet the highest quality standards possible.

## Key Features

- Top ranked PVUSA (PTC) rating in California for higher energy production
- 6 years product warranty (materials and workmanship); 25 years module power output warranty
- Industry leading plus only power tolerance: +5W (+1.9%)
- Strong framed module, passing mechanical load test of 5400Pa to withstand heavier snow load
- The 1st manufacturer in the PV industry certified for ISO:TS16949 (The automotive quality management system) in module production since 2003
- ISO17025 qualified manufacturer owned testing lab, fully complying to IEC, TUV, UL testing standards

## Applications

- On-grid residential roof-tops
- On-grid commercial/industrial roof-tops
- Solar power stations
- Other on-grid applications

## Quality Certificates

- IEC 61215, IEC61730, UL 1703, CEC Listed, CE, MCS and KEMCO
- ISO9001: 2008: Standards for quality management systems
- ISO/TS16949:2009: The automotive quality management system

## Environment Certificates

- ISO14001:2004: Standards for Environmental management systems
- QC080000 HSPM: The Certification for Hazardous Substances Regulations

www.canadiansolar.com

# CS5P-240/245/250/255/260M

## Electrical Data

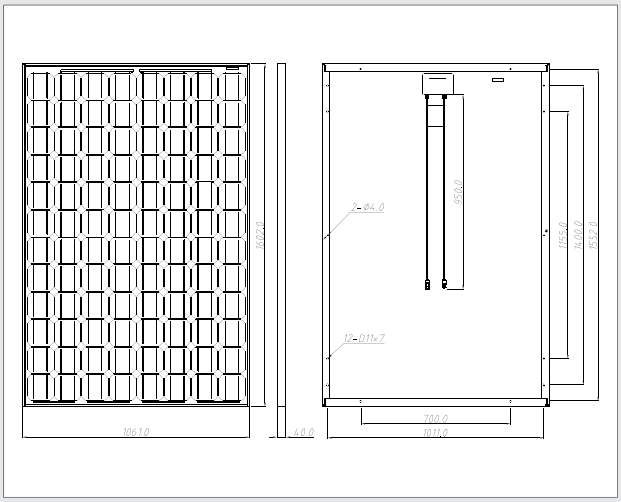
| | | CS5P-240M | CS5P-245M | CS5P-250M | CS5P-255M | CS5P-260M |
|---|---|---|---|---|---|---|
| Nominal Maximum Power at STC (Pmax) | | 240W | 245W | 250W | 255W | 260W |
| Optimum Operating Voltage (Vmp) | | 48.1V | 48.4V | 48.7V | 49.0V | 49.3V |
| Optimum Operating Current (Imp) | | 4.99A | 5.06A | 5.14A | 5.21A | 5.27A |
| Open Circuit Voltage (Voc) | | 59.4V | 59.5V | 59.6V | 59.8V | 60.0V |
| Short Circuit Current (Isc) | | 5.34A | 5.43A | 5.49A | 5.55A | 5.62A |
| Operating Temperature | | -40℃~+85℃ | | | | |
| Maximum System Voltage | | 1,000V (IEC) /600V (UL) | | | | |
| Maximum Series Fuse Rating | | 10A | | | | |
| Power Tolerance | | +5W | | | | |
| Temperature Coefficient | Pmax | -0.45%/℃ | | | | |
| | Voc | -0.35 %/℃ | | | | |
| | Isc | 0.060 %/℃ | | | | |
| | NOCT | 45℃ | | | | |

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

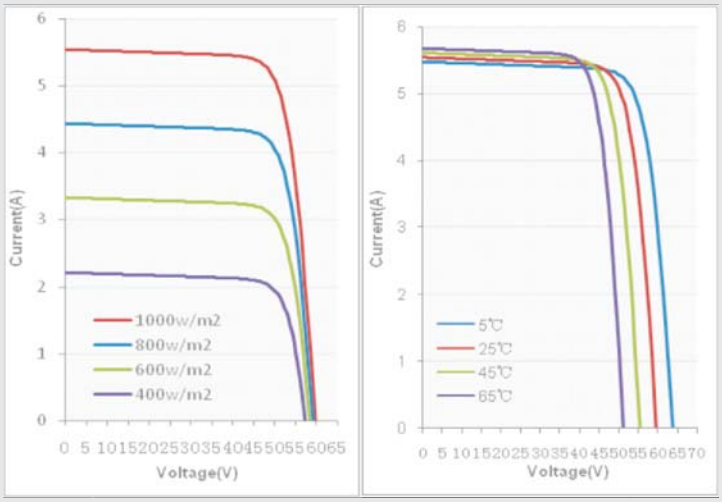
## Mechanical Data

| | |
|---|---|
| Cell Type | Mono-crystalline |
| Cell Arrangement | 96 (8 x 12) |
| Dimensions | 1602 x 1061 x 40mm (63.1 x 41.8 x 1.57in) |
| Weight | 20kg (44.1 lbs) |
| Front Cover | Tempered glass |
| Frame Material | Anodized aluminium alloy |
| Standard Packaging (Modules per Pallet) | 20pcs |

## Engineering Drawings



## I-V Curves (CS5P-255M)




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

EN-Rev 3.36 Copyright© 2011 Canadian Solar Inc.

## About Canadian Solar

**Canadian Solar Inc. is one of the world's largest solar companies. As a leading vertically-integrated manufacturer of ingots, wafers, cells, solar modules and solar systems. Canadian Solar delivers solar power products of uncompromising quality to worldwide customers. Canadian Solar's world class team of professionals works closely with our customers to provide them with solutions for all their solar needs.**

**Canadian Solar was founded in Canada in 2001 and was successfully listed on NASDAQ Exchange (symbol: CSIQ) in November 2006. Canadian Solar has expanded its cell capacity to 800MW and module capacity to 1.3GW in 2010.**

For product and purchasing inquiries contact:

ecoDIRECT
CLEAN ENERGY SOLUTIONS
www.ecodirect.com

Headquarters | 650 Riverbend Drive, Suite B
Kitchener, Ontario | Canada N2K 3S2
Tel: +1-519-954-2057
Fax: +1-519-578-2097
inquire.ca@canadiansolar.com
www.canadiansolar.com