



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



linear power output warranty



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

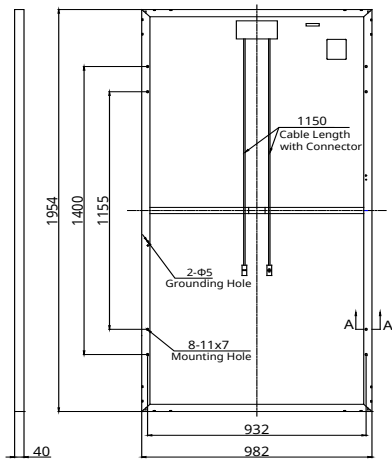


* Please contact your local Canadian Solar sales representative for the specific product certificates applicable in your market.

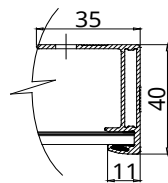
CANADIAN SOLAR INC. is committed to providing high quality solar products, solar system solutions and services to customers around the world. As a leading PV project developer and manufacturer of solar modules with over 20 GW deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.

ENGINEERING DRAWING (mm)

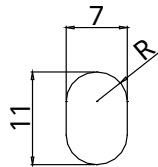
Rear View



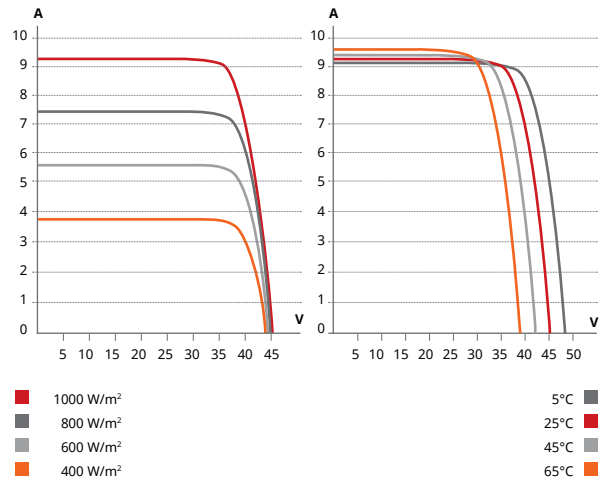
Frame Cross Section A-A



Mounting Hole



CS6X-320P / I-V CURVES



ELECTRICAL DATA | STC*

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

ELECTRICAL DATA | NMOT*

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

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

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).

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.

MECHANICAL DATA

Specification	Data
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 mm ² (IEC) or 4 mm ² & 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

TEMPERATURE CHARACTERISTICS

Specification	Data
Temp. Coefficient (Pmax)	-0.41 % / °C
Temp. Coefficient (Voc)	-0.31 % / °C
Temp. Coefficient (Isc)	0.053 % / °C
Nominal Module Operating Temperature (NMOT)	43±2 °C

PARTNER SECTION



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

