

# MAXPOWER CS6U-340 | 345 | 350P HIGH EFFICIENCY POLY MODULE

Canadian Solar's modules use the latest innovative poly-PERC cell technology, increasing module power output and system reliability, ensured by 17 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: 18.00 %

IP68 junction box for long-term weather endurance

Heavy snow load up to 5400 Pa, wind load up to 3600 Pa\*



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High PTC rating of up to: 92.86 %



25 years 10 years

linear power output warranty

product warranty on materials and workmanship

#### **MANAGEMENT SYSTEM CERTIFICATES\***

ISO 9001:2015 / Quality management system ISO 14001:2015 / Standards for environmental management system OHSAS 18001:2007 / International standards for occupational health & safety

#### **PRODUCT CERTIFICATES\***

IEC 61215 / IEC 61730: VDE / CE / MCS / INMETRO / CEC AU UL 1703 / IEC 61215 performance: CEC listed (US) / FSEC (US Florida) 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



\* We can provide this product with special BOM specifically certified with salt mist, ammonia and sand blowing tests. Please talk to our local technical sales representatives to get your customized solutions.

**CANADIAN SOLAR INC.** is committed to providing high quality solar products, solar system solutions and services to customers around the world. No. 1 module supplier for quality and performance/price ratio in IHS Module Customer Insight Survey. As a leading PV project developer and manufacturer of solar modules with over 30 GW deployed around the world since 2001.

\*For detail information, please refer to Installation Manual.

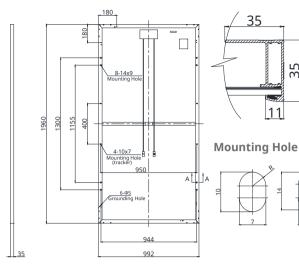
#### **CANADIAN SOLAR INC.**

#### **ENGINEERING DRAWING (mm)**

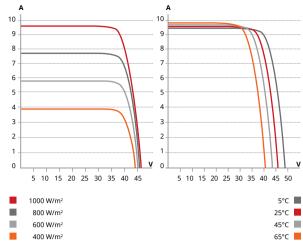
**Rear View** 

# **Frame Cross Section A-A**

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# CS6U-345P / I-V CURVES



# **ELECTRICAL DATA | STC\***

CS6U	340P	345P	350P
Nominal Max. Power (Pmax)	340 W	345 W	350 W
Opt. Operating Voltage (Vmp)	37.6 V	37.8 V	38.1 V
Opt. Operating Current (Imp)	9.05 A	9.13 A	9.21 A
Open Circuit Voltage (Voc)	45.9 V	46.0 V	46.2 V
Short Circuit Current (Isc)	9.62 A	9.69 A	9.79 A
Module Efficiency	17.49%	17.74%	18.00%
Operating Temperature	-40°C ~ +85°C		
Max. System Voltage	1000 V (IEC/UL) or 1500 V (IEC/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/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.

#### **ELECTRICAL DATA | NMOT\***

CS6U	340P	345P	350P
Nominal Max. Power (Pmax)	251 W	254 W	258 W
Opt. Operating Voltage (Vmp)	34.6 V	34.8 V	35.1 V
Opt. Operating Current (Imp)	7.25 A	7.32 A	7.36 A
Open Circuit Voltage (Voc)	42.9 V	43.0 V	43.2 V
Short Circuit Current (Isc)	7.76 A	7.82 A	7.90 A

\* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m<sup>2</sup>, 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/m<sup>2</sup> and 1000 W/m<sup>2</sup> (AM 1.5, 25°C).

\* The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. Canadian Solar Inc. reserves the right to make necessary adjustment to the information described herein at any time without further notice.

#### CANADIAN SOLAR INC.

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#### **MECHANICAL DATA**

Specification	Data
Cell Type	Poly-crystalline, 6 inch
Cell Arrangement	72 (6 × 12)
Dimensions	1960 × 992 × 35 mm
	(77.2 × 39.1 × 1.38 in)
Weight	22.4 kg (49.4 lbs)
Front Cover	3.2 mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4.0 mm <sup>2</sup> (IEC), 12 AWG (UL),
	1160 mm (45.7 in)
Connector	T4 series
Per Pallet	30 pieces
Per Container (40' HQ)	720 pieces

# **TEMPERATURE CHARACTERISTICS**

Specification	Data
Temperature Coefficient (Pmax)	-0.39 % / °C
Temperature Coefficient (Voc)	-0.29 % / °C
Temperature Coefficient (Isc)	0.05 % / °C
Nominal Module Operating Temperature (NMOT)	43 ± 3 °C

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#### **PARTNER SECTION**