



\*Transparent double-glass module can be provided upon request.


# DYMOND


## HIGH EFFICIENCY POLY MODULE


### CS6X-340 | 345 | 350 | 355P-FG


Canadian Solar's Dymond CS6X-P-FG module is a 72 cell double-glass module with an extended power output warranty. By replacing the traditional polymer backsheet with heat-strengthened glass, the Dymond module has a lower annual power degradation than a traditional module and better protection against the elements, making it more reliable and durable during its lifetime.


#### KEY FEATURES

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Up to IEC1500 VDC system voltage, saving on BoS cost
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Minimizes micro-cracks and prevents snail trails
- 

21.5 % more energy generation
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Fire Class A and Type 3 / Type 13 certified according to IEC 61730-2 / MST 23 and UL 1703
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5400 Pa snow load, 2400 Pa wind load

**30 years** power output warranty

**10 years** 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 / CEC AU / INMETRO  
 UL 1703: CSA / IEC 61701 ED2: VDE / IEC 62716: VDE  
 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.

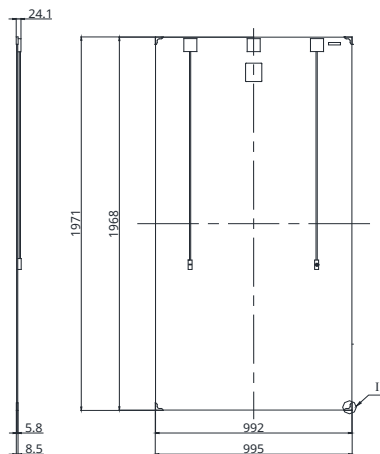
**CANADIAN SOLAR INC.** is committed to providing high quality solar products, solar system solutions and services to customers around the world. No. 1 module supplier for quality and performance/price ratio in IHS Module Customer Insight Survey. As a leading PV project developer and manufacturer of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

#### CANADIAN SOLAR INC.

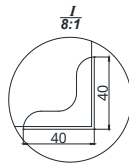
545 Speedvale Avenue West, Guelph, Ontario N1K 1E6, Canada, [www.canadiansolar.com](http://www.canadiansolar.com), [support@canadiansolar.com](mailto:support@canadiansolar.com)

## ENGINEERING DRAWING (mm)

### Rear View



### Corner Protector Detail



## ELECTRICAL DATA | STC\*

### CS6X-340/345/350/355P-FG

Nominal Max. Power (Pmax)	340 W	345 W	350 W	355 W
Opt. Operating Voltage (Vmp)	37.6 V	37.8 V	38.1 V	38.2 V
Opt. Operating Current (Imp)	9.05 A	9.13 A	9.21 A	9.30 A
Open Circuit Voltage (Voc)	45.9 V	46.0 V	46.2 V	46.4 V
Short Circuit Current (Isc)	9.62 A	9.69 A	9.79 A	9.84 A
Module Efficiency	17.42%	17.67%	17.93%	18.18%
Operating Temperature	-40°C ~ +85°C			
Max. System Voltage	1500 (IEC) or 1000 V (IEC/UL)			
Module Fire Performance	Type 3 / Type 13 (UL 1703) or CLASS A (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\*

### CS6X-340/345/350/355P-FG

Nominal Max. Power (Pmax)	251 W	254 W	258 W	262 W
Opt. Operating Voltage (Vmp)	34.6 V	34.8 V	35.1 V	35.1 V
Opt. Operating Current (Imp)	7.25 A	7.32 A	7.36 A	7.45 A
Open Circuit Voltage (Voc)	42.9 V	43.0 V	43.2 V	43.4 V
Short Circuit Current (Isc)	7.76 A	7.82 A	7.90 A	7.94 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.

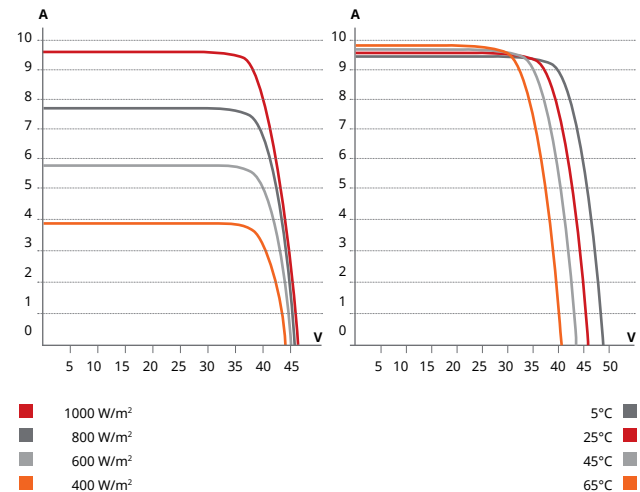
Canadian Solar Inc. reserves the right to make necessary adjustment to the information described herein at any time without further notice.

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.

## CANADIAN SOLAR INC.

545 Speedvale Avenue West, Guelph, Ontario N1K 1E6, Canada, [www.canadiansolar.com](http://www.canadiansolar.com), [support@canadiansolar.com](mailto:support@canadiansolar.com)

## CS6X-345P-FG / I-V CURVES



## MECHANICAL DATA

### Specification Data

Cell Type	Poly-crystalline, 6 inch
Cell Arrangement	72 (6 × 12)
Dimensions	1968 × 992 × 5.8 mm (77.5 × 39.1 × 0.23 in) without J-Box and corner protector
(Incl. corner protector)	1971 × 995 × 8.5 mm (77.6 × 39.2 × 0.33 in) without J-Box
Weight	27.5 kg (60.6 lbs)
Front / Back Glass	2.5 mm heat strengthened glass
Frame	Frameless
J-Box	Split J-Box, IP67, 3 bypass diodes
Cable	4.0 mm <sup>2</sup> (IEC), 12 AWG (UL)
Cable Length	Portrait: 400 mm (15.7 in) (+) / 280 mm (11.0 in) (Including Connector) (-); landscape: 1160 mm (45.7 in); leap-frog connection: 1670 mm (65.4 in)*
Connectors	T4 series
Per Pallet	30 pieces, 930 kg (2050.3 lbs)
Per Container (40' HQ)	660 pieces

\* For detailed information, please contact your local Canadian Solar sales and technical representatives.

## 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

## PARTNER SECTION

