








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

## DYMOND CS6K-290 | 295 | 300 | 305MS-FG

Canadian Solar's Dymond CS6K-MS-FG module is a 60 cell double-glass module with Mono-PERC cells and 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

- 
 Up to IEC1500 V<sub>DC</sub> system voltage, saving on BoS cost
- 
 Minimizes micro-cracks and prevents snail trails
- 
 21.5 % more energy generation
- 
 Fire Class A certified according to IEC 61730-2 / MST 23
- 
 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  
 UL 1703: CSA / IEC 61701 ED2: VDE / IEC 62716: VDE  
 IEC60068-2-68: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.

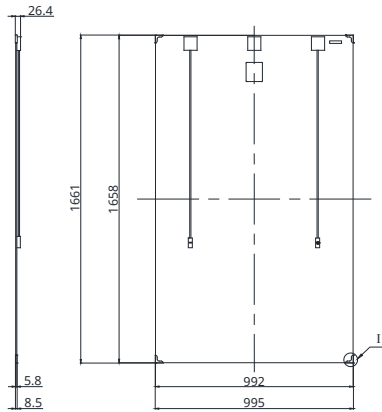
**CANADIAN SOLAR INC.** is committed to providing high quality solar products, solar system solutions and services to customers around the world. No. 1 module supplier for quality and performance/price ratio in IHS Module Customer Insight Survey. As a leading PV project developer and manufacturer of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

### CANADIAN SOLAR INC.

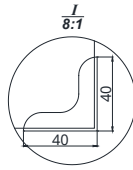
545 Speedvale Avenue West, Guelph, Ontario N1K 1E6, Canada, [www.canadiansolar.com](http://www.canadiansolar.com), [support@canadiansolar.com](mailto:support@canadiansolar.com)

## ENGINEERING DRAWING (mm)

### Rear View



### Corner Protector Detail



## ELECTRICAL DATA | STC\*

### CS6K-290MS/295MS/300/305MS-FG

Nominal Max. Power (Pmax)	290 W	295 W	300 W	305 W
Opt. Operating Voltage (Vmp)	32.1 V	32.3 V	32.5 V	32.7 V
Opt. Operating Current (Imp)	9.05 A	9.14 A	9.24 A	9.33 A
Open Circuit Voltage (Voc)	39.3 V	39.5 V	39.7 V	39.9 V
Short Circuit Current (Isc)	9.67 A	9.75 A	9.83 A	9.91 A
Module Efficiency	17.72%	18.02%	18.33%	18.54%
Operating Temperature	-40°C ~ +85°C			
Max. System Voltage	1500 V (IEC) or 1000 V (IEC/UL)			
Module Fire Performance	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\*

### CS6K-290MS/295MS/300/305MS-FG

Nominal Max. Power (Pmax)	215 W	218 W	222 W	226 W
Opt. Operating Voltage (Vmp)	29.7 V	29.8 V	30.0 V	30.2 V
Opt. Operating Current (Imp)	7.24 A	7.32 A	7.40 A	7.48 A
Open Circuit Voltage (Voc)	36.8 V	37.0 V	37.2 V	37.4 V
Short Circuit Current (Isc)	7.80 A	7.87 A	7.93 A	7.99 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

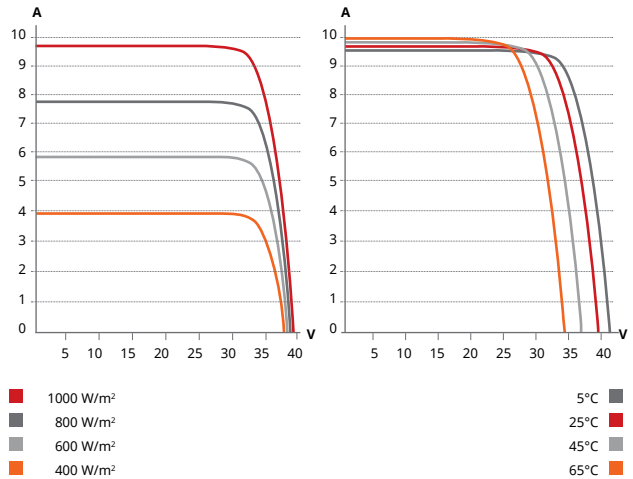
Outstanding performance at low irradiance, with an average relative efficiency of 96.5 % for irradiances between 200 W/m<sup>2</sup> and 1000 W/m<sup>2</sup> (AM 1.5, 25°C).

\* 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.

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## CS6K-295MS-FG / I-V CURVES



## MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline, 6 inch
Cell Arrangement	60 (6 × 10)
Dimensions	1658×992×5.8 mm (65.3×39.1×0.23 in) without J-Box and corner protector
(Incl. corner protector)	1661×995×8.5 mm (65.4×39.2×0.33 in) without J-Box
Weight	23 kg (50.7 lbs)
Front / Back Glass	2.5 mm heat strengthened glass
Frame	Frameless
J-Box	Split J-Box, IP67, 3 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) (-); landscape: 1000 mm (39.4 in)*
Connectors	T4 series
Per Pallet	33 pieces, 825 kg
Per Container (40' HQ)	858 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)	42±3 °C

## PARTNER SECTION

