



# KuDymond

## HIGH EFFICIENCY POLY MODULE

### CS3U-350 | 355 | 360 | 365P-FG (IEC1000V)

### CS3U-350 | 355 | 360 | 365P-FG (IEC1500V)

Canadian Solar's KuDymond CS3U-P-FG module is a high power double-glass module with industry leading poly-PERC cell technology and the innovative LIC (Low Internal Current) module technology.

The KuDymond poly-PERC modules can reach up to 365 W with the following unique features:

- **Higher** power classes for equivalent module sizes
- **High** module efficiency up to 18.40 %
- **LOW** hot spot temperature risk
- **LOW** temperature coefficient (Pmax): -0.37 % / °C
- **LOW NMOT** (Nominal Module Operating Temperature): 42 ± 3 °C



Low NMOT: 42 ± 3 °C  
Low temperature coefficient (Pmax): -0.37 % / °C



Lower hot spot temperature



Minimizes micro-cracks and prevents snail trails



Heavy snow load up to 5400 Pa, wind load up to 2400 Pa



Fire Class A and Type 3 / Type 13 certified according to IEC 61730-2 / MST 23 and UL 1703



Low BoS cost with 1500 VDC system voltage



\*Transparent doubleglass module can be provided upon request.



linear power output warranty



product warranty on materials and workmanship

#### PRODUCT CERTIFICATES\*

IEC 61215 / IEC 61730: VDE / CE

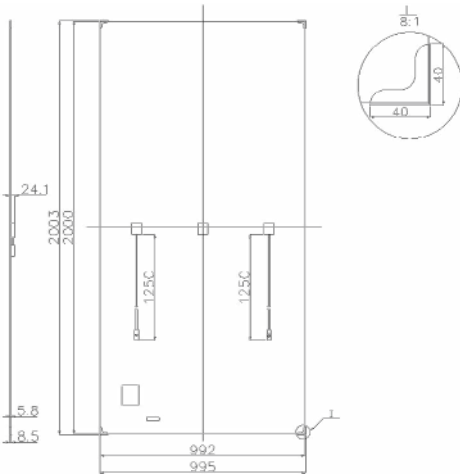


\* If you need specific product certificates, and if module installations are to deviate from our guidance specified in our installation manual, please contact your local Canadian Solar sales and technical representatives.



## ENGINEERING DRAWING (mm)

### Rear View



### ELECTRICAL DATA | STC\*

CS3U	350P-FG	355P-FG	360P-FG	365P-FG
Nominal Max. Power (Pmax)	350 W	355 W	360 W	365 W
Opt. Operating Voltage (Vmp)	39.2 V	39.4 V	39.6 V	39.8 V
Opt. Operating Current (Imp)	8.94 A	9.02 A	9.10 A	9.18 A
Open Circuit Voltage (Voc)	46.6 V	46.8 V	47.0 V	47.2 V
Short Circuit Current (Isc)	9.51 A	9.59 A	9.67 A	9.75 A
Module Efficiency	17.64%	17.89%	18.15%	18.40%
Operating Temperature	-40°C ~ +85°C			
Max. System Voltage	1500V (IEC) or 1000V (IEC/UL)			
Module Fire Performance	TYPE 3 / Type 13 (UL 1703) or CLASS A (IEC61730)			
Max. Series Fuse Rating	30 A			
Application Classification	Class A			
Power Tolerance	0 ~ + 5 W			

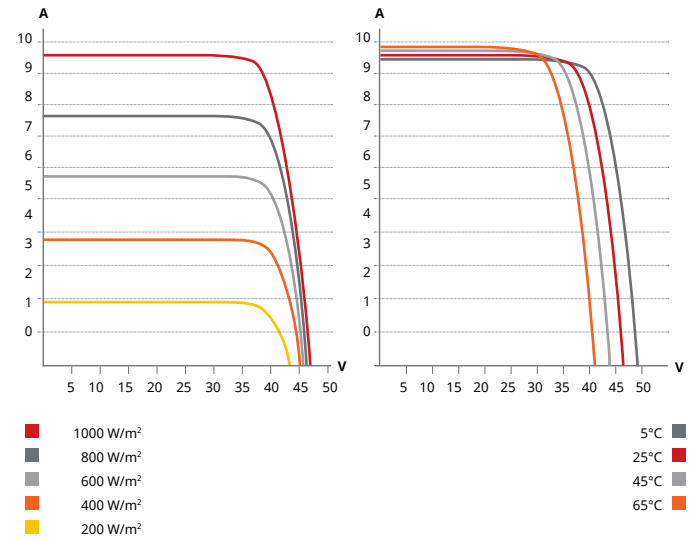
\* Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C. Measurement uncertainty: ±3 % (Pmax).

### ELECTRICAL DATA | NMOT\*

CS3U	350P-FG	355P-FG	360P-FG	365P-FG
Nominal Max. Power (Pmax)	260 W	264 W	268 W	271 W
Opt. Operating Voltage (Vmp)	36.2 V	36.4 V	36.6 V	36.8 V
Opt. Operating Current (Imp)	7.18 A	7.25 A	7.31 A	7.38 A
Open Circuit Voltage (Voc)	43.7 V	43.9 V	44.1 V	44.3 V
Short Circuit Current (Isc)	7.67 A	7.74 A	7.80 A	7.87 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.

## CS3U-355P-FG / I-V CURVES



### MECHANICAL DATA

Specification	Data
Cell Type	Poly-crystalline, 156.75 X 78.38 mm
Cell Arrangement	144 [2 x (12 x 6)]
Dimensions	2000 X 992 X 5.8 mm (78.7 X 39.1 X 0.23 in) without J-Box and corner protector
(Incl. corner protector)	2003 X 995 X 8.5 mm (78.9 X 39.2 X 0.33 in) without J-Box
Weight	29 kg (63.9 lbs)
Front / Back Glass	2.5 mm heat strengthened glass
Frame	Frameless
J-Box	IP68, 3 diodes
Cable	4.0 mm <sup>2</sup> (IEC), 12 AWG (UL), 1250 mm (49.2 in)
Connector	T4 series (MC4 series is available)
Per Pallet	30 pieces
Per Container (40' HQ)	660 pieces

### TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.37 % / °C
Temperature Coefficient (Voc)	-0.29 % / °C
Temperature Coefficient (Isc)	0.05 % / °C
Nominal Module Operating Temperature	42 ± 3°C

### PARTNER SECTION



\* 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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