



## HIGH EFF. POLY MODULES <sup>GEN 3</sup> KUMAX (1500 V) CS3U-325 | 330 | 335 | 340P

With Canadian Solar's industry-pioneering black silicon cell technology and the innovative LIC (Low Internal Current) module technology, we will soon offer our global customers poly modules that match or even exceed the wattage and performance of mono modules.

The poly KuMax modules can reach up to 340 W with the unique 2 "HIGH" and 4 "LOW" features:

- **Higher power classes for equivalent module sizes**
- **Module efficiency up to 17.14 %**
- **LOW LID (light-induced degradation): avg. 1.1 %**
- LOW hot spot temperature, enhancing system reliability
- LOW temperature coefficient (Pmax): -0.39 % / °C
- LOW NMOT (Nominal Module Operating Temperature):  $43 \pm 2$  °C



More power output thanks to  
low NMOT:  $43 \pm 2$  °C



Low LID (light-induced  
degradation): avg. 1.1 %



Low power loss in cell  
connection



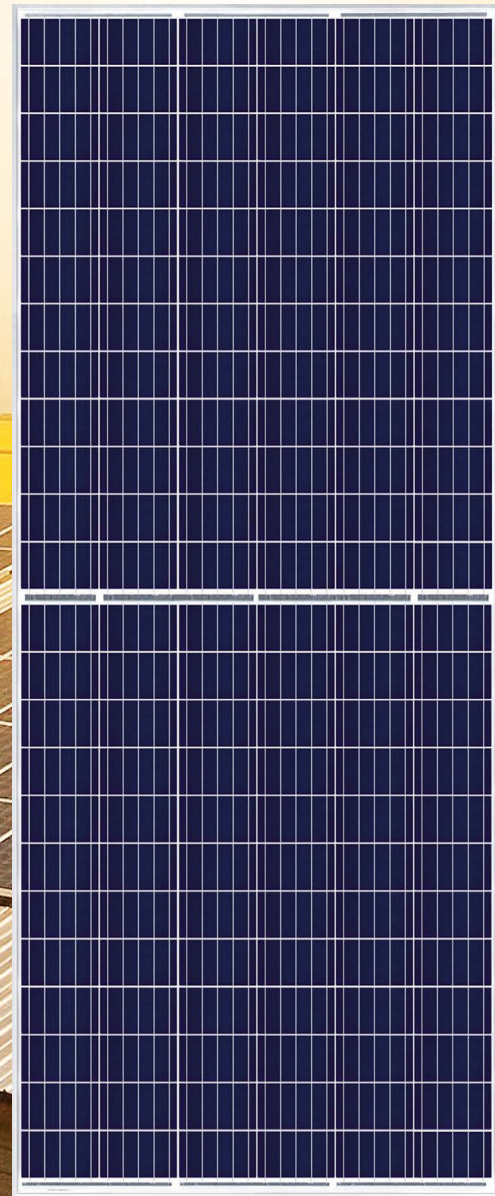
Safer: lower hot spot  
temperature



Low BoS costs with  
1500 V<sub>DC</sub> system voltage



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



linear power output warranty



product warranty on materials  
and workmanship

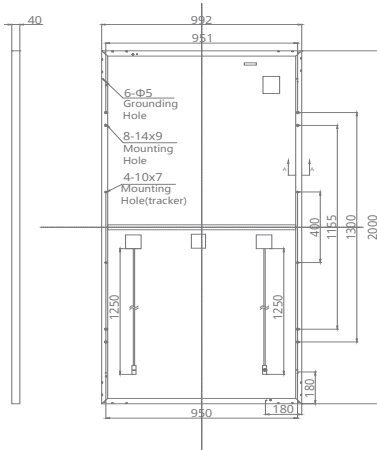
### PRODUCT CERTIFICATES\*

IEC 61215 / IEC 61730: 2005 & 2016: VDE / CE (Expected in middle of June, 2017)

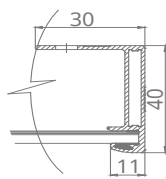
\* As there are different certification requirements in different markets, please contact your local Canadian Solar sales representative for the specific certificates applicable to the products in the region in which the products are to be used.

## ENGINEERING DRAWING (mm)

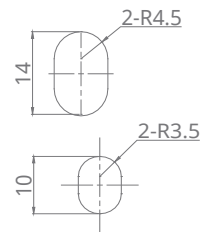
### Rear View



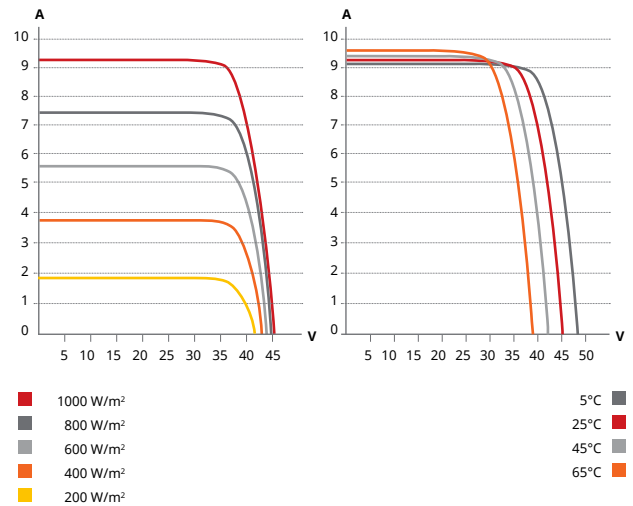
### Frame Cross Section A-A



### Mounting Hole



## CS3U-325P / I-V CURVES



## ELECTRICAL DATA | STC\*

CS3U	325P	330P	335P	340P
Nominal Max. Power (Pmax)	325 W	330 W	335 W	340 W
Opt. Operating Voltage (Vmp)	37.8 V	38.0 V	38.2 V	38.4 V
Opt. Operating Current (Imp)	8.60 A	8.69 A	8.77 A	8.86 A
Open Circuit Voltage (Voc)	45.3 V	45.5 V	45.7 V	45.9 V
Short Circuit Current (Isc)	9.12 A	9.20 A	9.28 A	9.36 A
Module Efficiency	16.38%	16.63%	16.89%	17.14%
Operating Temperature	-40°C ~ +85°C			
Max. System Voltage	1500 V (IEC) or 1500 V (UL)			
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.

## MECHANICAL DATA

Specification	Data
Cell Type	Poly-crystalline, half 6 inch cells
Cell Arrangement	144 (24 × 6)
Dimensions	2000 × 992 × 40 mm (78.7 × 39.1 × 1.57 in)
Weight	22.4 kg (49.4 lbs)
Front Cover	3.2 mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP68, 3 diodes
Cable	4.0 mm <sup>2</sup> & 12 AWG ,1250 mm
Connector	T4 series or UTX or MC4 series
Per Pallet	27 pieces
Per container (40' HQ)	594 pieces

## ELECTRICAL DATA | NMOT\*

CS3U	325P	330P	335P	340P
Nominal Max. Power (Pmax)	237 W	240 W	244 W	248 W
Opt. Operating Voltage (Vmp)	34.5 V	34.7 V	34.9 V	35.1 V
Opt. Operating Current (Imp)	6.87 A	6.92 A	7.00 A	7.07 A
Open Circuit Voltage (Voc)	41.9 V	42.1 V	42.3 V	42.5 V
Short Circuit Current (Isc)	7.38 A	7.44 A	7.51 A	7.57 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.

## TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.39 % / °C
Temperature Coefficient (Voc)	-0.31 % / °C
Temperature Coefficient (Isc)	0.053 % / °C
Nominal Module Operating Temperature	43±2 °C

## PARTNER SECTION



The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to on-going innovation, research and product enhancement, Canadian Solar Inc. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein. This datasheet is written in English with Chinese (or other language) translation for reference only. In case there are inconsistencies or conflicts between the English version and the Chinese version (or other language version) of this datasheet, the English version shall prevail and take control in all respects.

Caution: For professional use only. The installation and handling of PV modules requires professional skills and should only be performed by qualified professionals. Please read the safety and installation instructions before using the modules.