NEW

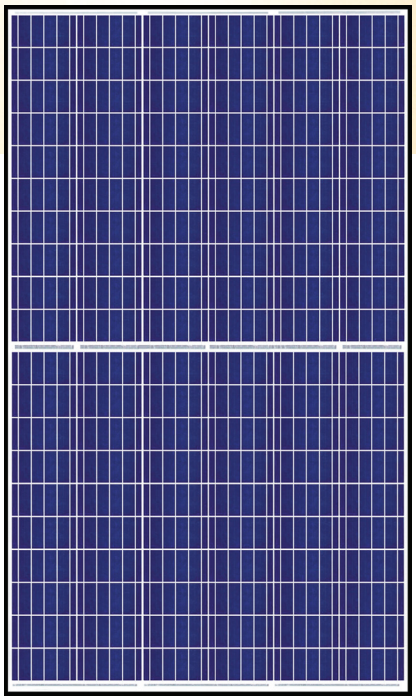
CanadianSolar

KuPower

CS3K-275|280|285P

(1000 V / 1500 V)

With Canadian Solar's poly cell technology and the industry leading innovative LIC (Low Internal Current) module technology, we are now able to offer our global customers high power poly modules up to 285 W. The KuPower poly modules with a dimension of 1675 ×992 mm, close to our 60 cell modules, have the following features:



MORE POWER

- **Low power loss in cell connection**
- **Low NMOT: 42 ± 3 °C**
  Low temperature coefficient (Pmax): -0.38 % / °C
- **Better shading tolerance**
- **High PTC rating of up to: 92.49 %**

MORE RELIABLE

- **Lower hot spot temperature**
- **Minimizes micro-cracks**
- **Heavy snow load up to 5400 Pa,**
  wind load up to 2400 Pa

*For detail information, please refer to Installation Manual.

25 years **power output warranty**

10 years **product warranty on materials and workmanship**

MANAGEMENT SYSTEM CERTIFICATES*

ISO 9001:2008 / Quality management system

ISO 14001:2004 / 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

* 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. If module installations are to deviate from the guidance specified in our installation manual, please contact your local Canadian Solar technical representatives.

CANADIAN SOLAR (USA), INC. is committed to providing high quality solar products, solar system solutions and services to customers around the world. As a leading PV project developer and manufacturer of solar modules with over 30 GW deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.

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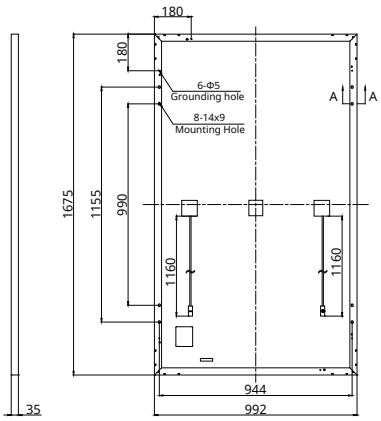
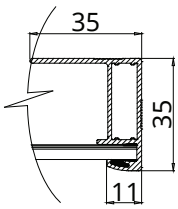
ENGINEERING DRAWING (mm)

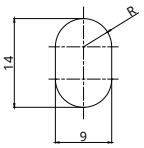
Rear View



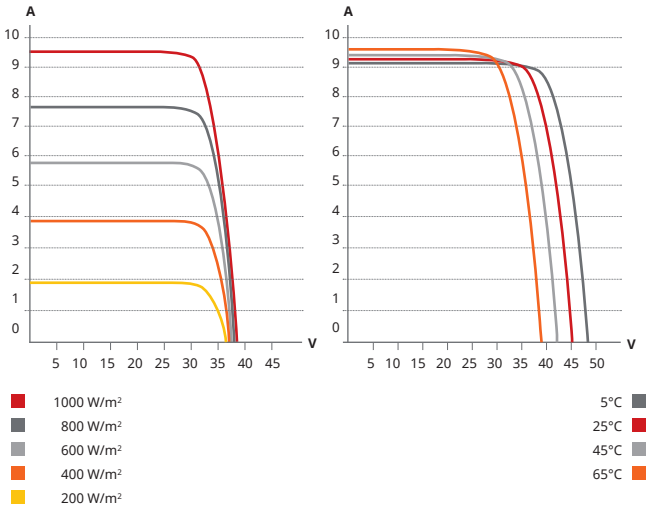
Frame Cross Section A-A



Mounting Hole



CS3K-280P / I-V CURVES



ELECTRICAL DATA | STC*

CS3K	275P	280P	285P
Nominal Max. Power (Pmax)	275 W	280 W	285 W
Opt. Operating Voltage (Vmp)	31.0 V	31.2 V	31.4 V
Opt. Operating Current (Imp)	8.88 A	8.98 A	9.08 A
Open Circuit Voltage (Voc)	37.7 V	37.9 V	38.1 V
Short Circuit Current (Isc)	9.38 A	9.47 A	9.56 A
Module Efficiency	16.55%	16.85%	17.15%
Operating Temperature	-40°C ~ +85°C		
Max. System Voltage	1500V (IEC/UL) 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/m2, spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL DATA | NMOT*

CS3K	275P	280P	285P
Nominal Max. Power (Pmax)	204 W	208 W	211 W
Opt. Operating Voltage (Vmp)	28.6 V	28.8 V	29.0 V
Opt. Operating Current (Imp)	7.12 A	7.21 A	7.29 A
Open Circuit Voltage (Voc)	35.2 V	35.4 V	35.6 V
Short Circuit Current (Isc)	7.57 A	7.64 A	7.71 A

Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m2, spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

MECHANICAL DATA

Specification	Data
Cell Type	Poly-crystalline, 156.75 X 78.38 mm
Cell Arrangement	120 [2 X (10 X 6)]
Dimensions	1675 X 992 X 35 mm (65.9 X 39.1 X 1.38 in)
Weight	18.5 kg (40.8 lbs)
Front Cover	3.2 mm tempered glass
Frame	Anodized aluminium alloy, crossbar enhanced
J-Box	IP68, 3 diodes
Cable	4.0 mm² (IEC), 12 AWG (UL)
Cable Length	1160 mm (45.7 in)
Connector	T4 series
Per Pallet	30 pieces
Per Container (40' HQ)	840 pieces

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.38 % / °C
Temperature Coefficient (Voc)	-0.31 % / °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.