KuMax
HIGH EFFICIENCY POLY³GEN MODULE
CS3U-325|330|335|340P
(1000 V / 1500 V)

With Canadian Solar’s industry leading black silicon cell technology and the innovative LIC (Low Internal Current) module technology, we are now able to offer our global customers high power poly modules up to 340 W.

The KuMax poly modules with a dimension of 2000 × 992 mm, close to our 72 cell MaxPower modules, have the following unique features:
• Higher power classes for equivalent module sizes
• High module efficiency up to 17.14 %
• LOW hot spot temperature risk
• LOW temperature coefficient (Pmax): -0.39 % / °C
• LOW NMOT (Nominal Module Operating Temperature): 43 ± 2 °C

More power output thanks to low NMOT: 43 ± 2 °C
Low power loss in cell connection
Safer: lower hot spot temperature
Heavy snow load up to 5400 Pa, wind load up to 2400 Pa

Low BoS cost with 1500 VAC system voltage

PRODUCT CERTIFICATES*

* Please contact your local Canadian Solar sales representative for the specific product certificates applicable in your market.

25 years linear power output warranty
10 years product warranty on materials and workmanship
MECHANICAL DATA
 Specification	 Data
 Cell Type	 Poly-crystalline, 156 × 78 mm
 Cell Arrangement	 144 [2 × (12 × 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	 Anodized aluminium alloy, crossbar enhanced
 J-Box	 IP68, 3 diodes
 Cable	 4.0 mm² & 12 AWG
 Cable Length	 1250 mm (49.2 in), 1670 mm (65.7 in)
is optional for single tracking system with leap-frog connection
 Connector	 T4 series or UTX or MC4 series
 (1500 V), T4 series (1000 V)
 Per Pallet	 27 pieces
 Per Container (40’ HQ)	 594 pieces

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

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	 1000 V (IEC / UL) or 1500 V (IEC / UL)
Module Fire Performance	 TYPE 1 (UL 1703) or CLASS C (IEC 61730)
Max. Series Fuse Rating	 30 A
Application Classification	 Class A
Power Tolerance	 0 ~ + 5 W

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 Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

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

The aforesaid datasheet only provides the general information on Canadian Solar products and, due to the on-going innovation and improvement, please always contact your local Canadian Solar sales representative for the updated information on specifications, key features and certification requirements of Canadian Solar products in your region.

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.

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