

Preliminary Technical Information Sheet



KuMax HIGH EFFICIENCY POLYGEN 3 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



Low BoS cost with 1500 V_{pc} system voltage



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



linear power output warranty

PRODUCT CERTIFICATES*

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



product warranty on materials and workmanship

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



Rear View



30 **Mounting Hole** 2-R4.5 2-R3.5

Frame Cross Section A-A

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 (I	EC / UL) o	r 1500 V (I	EC / UL)
Module Fire Performance	TYPE 1 ((UL 1703) or CLAS	SS C
	(IEC 617	730)		
Max. Series Fuse Rating	30 A			
Application Classification	Class A			
Power Tolerance	0~+5\	N		

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

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/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

CS3U-325P / I-V CURVES



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 mm ² & 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

PARTNER SECTION

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.



Preliminary Technical Information Sheet

KuPower HIGH EFFICIENCY POLY^{GEN 3} MODULE CS3K-275 | 280 | 285P (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 285 W.

The KuPower poly modules with a dimension of 1675 × 992 mm, close to our 60 cell modules, have the following unique features:

- Higher power classes for equivalent module sizes
- High module efficiency up to 17.15 %
- 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 BoS cost with 1500 V_{pc} system voltage



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



PRODUCT CERTIFICATES*

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



product warranty on materials and workmanship

linear power output warranty

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

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Rear View





2-R4.5

CS3K-280P / I-V CURVES



ELECTRICAL DATA | STC*

275P	280P	285P
275 W	280 W	285 W
31.0 V	31.2 V	31.4 V
8.88 A	8.98 A	9.08 A
37.7 V	37.9 V	38.1 V
9.38 A	9.47 A	9.56 A
16.55%	16.85%	17.15%
-40°C ~ +	-85°C	
1000 V (IE	C / UL) or 1	500 V (IEC / UL)
TYPE 1 (l	JL 1703) o	or CLASS C
(IEC 6173	30)	
30 A		
Class A		
0 ~ + 5 W	1	
	275 W 31.0 V 8.88 A 37.7 V 9.38 A 16.55% -40°C ~ + 1000 V (IE TYPE 1 (U (IEC 6172 30 A Class A 0 ~ + 5 W	275 P 280 P $275 W$ $280 W$ $31.0 V$ $31.2 V$ $8.88 A$ $8.98 A$ $37.7 V$ $37.9 V$ $9.38 A$ $9.47 A$ 16.55% 16.85% $-40^{\circ}C \sim +85^{\circ}C$ $1000 V (IEC / UL) or 1.000 V (IEC / UL) or 1.000 V (IEC 61730) OC (IEC 61730) OC (IEC 61730) OC (IEC 61730) OC 700 $

MECHANICAL DATA

Specification	Data
Cell Type	Poly-crystalline, 156 × 78 mm
Cell Arrangement	120 [2 × (10 × 6)]
Dimensions	1675 × 992 × 40 mm
	(65.9 × 39.1 × 1.57 in)
Weight	18.5 kg (40.8 lbs)
Front Cover	3.2 mm tempered glass
Frame	Anodized aluminium alloy
J-Box	IP68, 3 diodes
Cable	4.0 mm ² & 12 AWG , 1160 mm (45.7 in)
Connector	T4 series or UTX or MC4 series
	(1500 V), T4 series (1000 V)
Per Pallet	26 pieces
Per Container (40' HQ)	728 pieces

* 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)	200 W	204 W	208 W
Opt. Operating Voltage (Vmp)	28.3 V	28.5 V	28.7 V
Opt. Operating Current (Imp)	7.07 A	7.16 A	7.25 A
Open Circuit Voltage (Voc)	34.9 V	35.1 V	35.3 V
Short Circuit Current (Isc)	7.58 A	7.66 A	7.73 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.

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 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.

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Preliminary Technical Information Sheet

KuDymond HIGH EFFICIENCY POLY^{GEN 3} MODULE CS3U-325|330|335|340P-FG

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

The KuDymond poly modules can reach up to 340 W with 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





Low power loss in cell

connection

1500 V

More power output thanks to low NMOT: 43 ± 2 °C



Safer: lower hot spot

temperature

Low BoS cost with 1500 V_{DC} system voltage





linear power output warranty

PRODUCT CERTIFICATES*

IEC 61215 / IEC 61730: 2005 & 2016: VDE / CE (Expected by mid-July, 2017)



product warranty on materials and workmanship * Please contact your local Canadian Solar sales representative for the specific product certificates applicable in your market.

Rear View



CS3U-325P-FG / I-V CURVES



ELECTRICAL DATA | STC*

CS3U	325P-FG	330P-FG	335P-FG	340P-FG
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 1	000 V (U	L)
Module Fire Performance	Type 3	/ Type 13	3 (UL 170)3) or
	CLASS /	A (IEC 61	730)	
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.

MECHANICAL DATA

Specification	Data
Cell Type	Poly-crystalline, 156 × 78 mm
Cell Arrangement	144 [2 × (12 × 6)]
Dimensions	2000 × 992 × 5.8 mm (78.7 × 39.1 × 0.23 in)
	without J-Box and corner protector
(Incl. corner	2004×996×8.5 mm (78.9×39.2×0.33 in)
protector)	without J-Box
Weight	29.0 kg (63.9 lbs)
Front / Back Glass	2.5 mm heat strengthened glass
Frame	Frameless
J-Box	IP67, 3 diodes
Cable	4 mm ² (IEC), 12 AWG (UL),
	1250 mm (49.2 in)
Connector	T4 series or UTX or MC4 series
	(1500 V), T4 series (1000 V)
Per Pallet	30 pieces
Per Container (40' HQ)	660 pieces

ELECTRICAL DATA | NMOT*

CS3U	325P-FG	330P-FG	335P-FG	340P-FG
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/m², 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 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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Second CanadianSolar



*Transparent doubleglass module can be provided upon request.



power output warranty

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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 / MCS / CEC AU / INMETRO UL 1703 / IEC 61215 performance: CEC listed (US) UL 1703: CSA / IEC 61701 ED2: VDE / IEC 60068-2-68: SGS Take-e-way



* 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.

CANADIAN SOLAR 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 17 GW deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.

DOUBLE-GLASS MODULE

DYMOND CS6X-315|320|325|330P-FG

Canadian Solar's Dymond CS6X-P-FG module is a 72 cell double-glass module with 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



21.5 % more energy generation

Up to IEC1500 VDC system voltage,

Minimizes micro-cracks and prevents

saving on BoS costs

snail trails

Suitable for harsh environments, such as coasts, deserts and lakes

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

5400 Pa snow load, 2400 Pa wind load

CANADIAN SOLAR INC.

Rear View

Corner Protector Detail



ELECTRICAL DATA | STC*

CS6X	315P-FG	320P-FG	325P-FG	330P-FG	
Nominal Max. Power (Pmax)	315 W	320 W	325 W	330 W	
Opt. Operating Voltage (Vmp)	36.6 V	36.8 V	37.0 V	37.2 V	
Opt. Operating Current (Imp)	8.61 A	8.69 A	8.78 A	8.88 A	
Open Circuit Voltage (Voc)	45.1 V	45.3 V	45.5 V	45.6 V	
Short Circuit Current (Isc)	9.18 A	9.26 A	9.34 A	9.45 A	
Module Efficiency	16.14%	16.39%	16.65%	16.90%	
Operating Temperature	-40°C ~	+85°C			
Max. System Voltage	1500 (IE	C) or 100	0 V (UL)		
Module Fire Performance	e Type 3 / Type 13 (UL 1703)				
	or CLAS	S A (IEC (51730)		
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/m², spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL DATA | NOCT*

CS6X	315P-FG	320P-FG	325P-FG	330P-FG
Nominal Max. Power (Pmax)	228 W	232 W	236 W	239 W
Opt. Operating Voltage (Vmp)	33.4 V	33.6 V	33.7 V	33.9 V
Opt. Operating Current (Imp)	6.84 A	6.91 A	6.98 A	7.05 A
Open Circuit Voltage (Voc)	41.5 V	41.6 V	41.8 V	41.9 V
Short Circuit Current (Isc)	7.44 A	7.50 A	7.57 A	7.66 A

* Under Nominal Operating Cell Temperature (NOCT), irradiance of 800 W/m², 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 96.0 % for irradiances between 200 W/m² and 1000 W/m² (AM 1.5, 25°C).

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.

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.

CS6X-320P-FG / I-V CURVES



MECHANICAL DATA

Specification	Data
Cell Type	Poly-crystalline, 6 inch
Cell Arrangement	72 (6×12)
Dimensions	1968×992×5.8mm (77.5×39.1×0.23 in)
	without J-Box and corner protector
(Incl. corner	1972×996×8.5 mm (77.6×39.2×0.33 in)
protector)	without J-Box
Weight	27.5 kg (60.6 lbs)
Front / Back Glass	2.5 mm heat strengthened glass
Frame	Frameless
J-Box	Split J-Box, IP67, 3 diodes
Cable	4 mm ² (IEC) or 4 mm ² &12 AWG 1000 V (UL)
Cable Length	1150 mm (45.3 in), 500 mm (19.7 in)
	(+) and 350 mm (13.8 in) (-)
	is optional for portrait installation*
Connectors	T4 series or MC4 series or UTX (IEC1500V), T4 series
	or 05-6 (UL1000V)
Per Pallet	30 pieces, 930 kg (2050.3 lbs)
Per container (40' HQ)	660 pieces

* The application of this short length cable can only be used in portrait installation (clamping mounting method) systems in which the distance between modules should be less than or equal to 50 mm. In the event the distance between the PV modules to be installed is more than 50 mm, please make sure to consult our technical team for evaluation and advice.

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.41 % / °C
Temperature Coefficient (Voc)	-0.31 % / °C
Temperature Coefficient (Isc)	0.053 % / °C
Nominal Operating Cell Temperature	45±2 °C

PARTNER SECTION



Second CanadianSolar



*Transparent doubleglass module can be provided upon request.

DOUBLE-GLASS MODULE

DYMOND CS6K-260|265|270|275P-FG

Canadian Solar's Dymond CS6K-P-FG module is a 60 cell double-glass module with 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_{DC} system voltage, saving on BoS costs

Minimizes micro-cracks and prevents snail trails



21.5 % more energy generation

Suitable for harsh environments, such as coasts, deserts and lakes

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

5400 Pa snow load, 2400 Pa wind load



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 / MCS / CEC AU / INMETRO UL 1703 / IEC 61215 performance: CEC listed (US) / FSEC (US Florida) UL 1703: CSA / IEC 61701 ED2: VDE / IEC 60068-2-68: SGS UNI 9177 Reaction to Fire: Class 1 Take-e-way



* 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.

CANADIAN SOLAR 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 17 GW deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.

CANADIAN SOLAR INC.

Rear View

Corner Protector Detail



ELECTRICAL DATA | STC*

CS6K	260P-FG	265P-FG	270P-FG	275P-FG
Nominal Max. Power (Pmax)	260 W	265 W	270 W	275 W
Opt. Operating Voltage (Vmp)	30.4 V	30.6 V	30.8 V	31.0 V
Opt. Operating Current (Imp)	8.56 A	8.66 A	8.75 A	8.88 A
Open Circuit Voltage (Voc)	37.5 V	37.7 V	37.9 V	38.0 V
Short Circuit Current (Isc)	9.12 A	9.23 A	9.32 A	9.45 A
Module Efficiency	15.81%	16.11%	16.42%	16.72%
Operating Temperature	-40°C ~	+85°C		
Max. System Voltage	1500 V	(IEC) or 10	000 V (UL))
Module Fire Performance	Type 3	/ Type 13	(UL 1703	3)
	or CLAS	SS 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/m², spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL DATA | NOCT*

CS6K	260P-FG	265P-FG	270P-FG	275P-FG
Nominal Max. Power (Pmax)	189 W	192 W	196 W	199 W
Opt. Operating Voltage (Vmp)	27.7 V	27.9 V	28.1 V	28.3 V
Opt. Operating Current (Imp)	6.80 A	6.88 A	6.96 A	7.05 A
Open Circuit Voltage (Voc)	34.5 V	34.7 V	34.8 V	34.9 V
Short Circuit Current (Isc)	7.39 A	7.48 A	7.55 A	7.66 A

 * Under Nominal Operating Cell Temperature (NOCT), irradiance of 800 W/m², 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/m² and 1000 W/m² (AM 1.5, 25°C).

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CS6K-265P-FG / I-V CURVES



MECHANICAL DATA

Specification	Data
Cell Type	Poly-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	1662×996×8.5 mm (65.4×39.2×0.33 in)
protector)	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	$4\ mm^2$ (IEC) or $4\ mm^2$ &12 AWG 1000 V (UL)
Cable Length	1000 mm (39.4 in), 500 mm (19.7 in)
	(+) and 350 mm (13.8 in) (-) is
	optional for portrait installation*
Connectors	T4 series or MC4 series or UTX(IEC1500V),T4
	series or 05-6 (UL1000V)
Per Pallet	30 pieces, 755 kg (1664.5 lbs)
Per Container (40' HQ)	780 pieces

* The application of this short length cable can only be used in portrait installation (clamping mounting method) systems in which the distance between modules should be less than or equal to 50 mm. In the event the distance between the PV modules to be installed is more than 50 mm, please make sure to consult our technical team for evaluation and advice.

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.41 % / °C
Temperature Coefficient (Voc)	-0.31 % /°C
Temperature Coefficient (Isc)	0.053 % / °C
Nominal Operating Cell Temperature	45±2 °C

PARTNER SECTION

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MAXPOWER (1500 V) CS6U-315 | 320 | 325 | 330P

Canadian Solar's new 1500 V module is a product for high voltage systems, which can increase the string length of solar systems by up to 50%, saving BOS costs.





10

years

linear power output warranty

product warranty on materials



Designed for high voltage systems of up to 1500 V_{pc} , saving on BoS costs



No.1

PTC

1500 V

KEY FEATURES

Excellent module efficiency of up to 16.97 %



High PTC rating of up to 91.55 %



IP67 junction box for long-term weather endurance

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

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 / MCS / CE UL 1703 / IEC 61215 performance: CEC listed (US) UL 1703: CSA / IEC 61701 ED2: VDE / IEC 62716: VDE UNI 9177 Reaction to Fire: Class 1 Take-e-way



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CANADIAN SOLAR INC.





Mounting Hole



CS6U-320P / I-V CURVES



ELECTRICAL DATA | STC*

CS6U	315P	320P	325P	330P
Nominal Max. Power (Pmax)	315 W	320 W	325 W	330 W
Opt. Operating Voltage (Vmp)	36.6 V	36.8 V	37.0 V	37.2 V
Opt. Operating Current (Imp)	8.61 A	8.69 A	8.78 A	8.88 A
Open Circuit Voltage (Voc)	45.1 V	45.3 V	45.5 V	45.6 V
Short Circuit Current (Isc)	9.18 A	9.26 A	9.34 A	9.45 A
Module Efficiency	16.20%	16.46%	16.72%	16.97%
Operating Temperature	-40°C ~	+85°C		
Max. System Voltage	1500 V ((IEC) or 1	500 V (U	L)
Module Fire Performance	TYPE 1	(UL 1703) or	
	CLASS (C (IEC 61	730)	
Max. Series Fuse Rating	15 A			
Application Classification	Class A			
Power Tolerance	0~+5	W		

SpecificationDateCell TypePote

MECHANICAL DATA

Cell Type	Poly-crystalline, 6 inch
Cell Arrangement	72 (6×12)
Dimensions	1960 × 992 × 40 mm
	(77.2 × 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	IP67, 3 diodes
Cable	PV1500DC-F1 4 mm ² (IEC) & 12 AWG
	2000 V (UL), 1160 mm (45.7 in)
Connector	T4 series or UTX or MC4 series
Per Pallet	26 pieces, 635 kg (1400 lbs)
Per container (40' HQ)	624 pieces

Data

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

ELECTRICAL DATA | NOCT*

CS6U	315P	320P	325P	330P
Nominal Max. Power (Pmax)	228 W	232 W	236 W	239 W
Opt. Operating Voltage (Vmp)	33.4 V	33.6 V	33.7 V	33.9 V
Opt. Operating Current (Imp)	6.84 A	6.91 A	6.98 A	7.05 A
Open Circuit Voltage (Voc)	41.5 V	41.6 V	41.8 V	41.9 V
Short Circuit Current (Isc)	7.44 A	7.50 A	7.57 A	7.66 A

* Under Nominal Operating Cell Temperature (NOCT), irradiance of 800 W/m², 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 96.0 % from irradiances, between 1000 W/m² and 200 W/m² (AM 1.5, 25°C).

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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.

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.41 % / °C
Temperature Coefficient (Voc)	-0.31 % / °C
Temperature Coefficient (Isc)	0.053 % / °C
Nominal Operating Cell Temperature	45±2 °C

PARTNER SECTION





MAXPOWER CS6U-315 | 320 | 325 | 330P

Canadian Solar's modules use the latest innovative cell technology, increasing module power output and system reliability, ensured by 15 years of experience in module manufacturing, well-engineered module design, stringent BOM quality testing, an automated manufacturing process and 100% EL testing.

KEY FEATURES



IP67

High PTC rating of up to 91.55 %

IP67 junction box for long-term weather endurance

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

linear power output warranty



25

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 / CQC / MCS / INMETRO / CEC AU UL 1703 / IEC 61215 performance: CEC listed (US) / FSEC (US Florida) UL 1703: CSA / IEC 61701 ED2: VDE / IEC 62716: VDE UNI 9177 Reaction to Fire: Class 1 IEC 60068-2-68: SGS Take-e-way



* 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.

CANADIAN SOLAR 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 17 GW deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.

CANADIAN SOLAR INC.

Rear View





Mounting Hole



CS6U-320P / I-V CURVES



ELECTRICAL DATA | STC*

CS6U	315P	320P	325P	330P
Nominal Max. Power (Pmax)	315 W	320 W	325 W	330 W
Opt. Operating Voltage (Vmp)	36.6 V	36.8 V	37.0 V	37.2 V
Opt. Operating Current (Imp)	8.61 A	8.69 A	8.78 A	8.88 A
Open Circuit Voltage (Voc)	45.1 V	45.3 V	45.5 V	45.6 V
Short Circuit Current (Isc)	9.18 A	9.26 A	9.34 A	9.45 A
Module Efficiency	16.20%	16.46%	16.72%	16.97%
Operating Temperature	-40°C ~	+85°C		
Max. System Voltage	1000 V (IEC) or 1	000 V (UI	_)
Module Fire Performance	TYPE 1	(UL 1703) or	
	CLASS (C (IEC 61)	730)	
Max. Series Fuse Rating	15 A			
Application Classification	Class A			
Power Tolerance	0~+5	N		

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

ELECTRICAL DATA | NOCT*

CS6U	315P	320P	325P	330P
Nominal Max. Power (Pmax)	228 W	232 W	236 W	239 W
Opt. Operating Voltage (Vmp)	33.4 V	33.6 V	33.7 V	33.9 V
Opt. Operating Current (Imp)	6.84 A	6.91 A	6.98 A	7.05 A
Open Circuit Voltage (Voc)	41.5 V	41.6 V	41.8 V	41.9 V
Short Circuit Current (Isc)	7.44 A	7.50 A	7.57 A	7.66 A

* Under Nominal Operating Cell Temperature (NOCT), irradiance of 800 W/m², 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 96.0 % from irradiances, between 1000 W/m² and 200 W/m² (AM 1.5, 25°C).

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MECHANICAL DATA

Specification	Data
Cell Type	Poly-crystalline, 6 inch
Cell Arrangement	72 (6×12)
Dimensions	1960 × 992 × 40 mm
	(77.2 × 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	IP67, 3 diodes
Cable	4 mm ² (IEC) or 4 mm ² & 12 AWG
	1000V (UL), 1160 mm(45.7 in)
Connector	T4 series or PV2 series
Per Pallet	26 pieces, 635 kg (1400 lbs)

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.41 % / °C
Temperature Coefficient (Voc)	-0.31 % / °C
Temperature Coefficient (Isc)	0.053 % / °C
Nominal Operating Cell Temperature	45±2 °C

PARTNER SECTION



Second CanadianSolar





linear power output warranty

10¹

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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 / CQC / MCS / INMETRO / CEC AU UL 1703 / IEC 61215 performance: CEC listed (US) / FSEC (US Florida) UL 1703: CSA / IEC 61701 ED2: VDE / IEC 62716: VDE UNI 9177 Reaction to Fire: Class 1 IEC 60068-2-68: SGS Take-e-way



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MAXPOWER CS6U-325|330|335|340M

Canadian Solar's modules use the latest innovative cell technology, increasing module power output and system reliability, ensured by 15 years of experience in module manufacturing, well-engineered module design, stringent BOM quality testing, an automated manufacturing process and 100% EL testing.



KEY FEATURES

Excellent module efficiency of up to 17.49 %



Outstanding low irradiance performance of up to 96.5 %



High PTC rating of up to 91.7 %



IP67 junction box for longterm weather endurance



CANADIAN SOLAR INC.



ELECTRICAL DATA | STC*

CS6U	325M	330M	335M	340M
Nominal Max. Power (Pmax)	325 W	330 W	335 W	340 W
Opt. Operating Voltage (Vmp)	37.4 V	37.5 V	37.8 V	37.9 V
Opt. Operating Current (Imp)	8.69 A	8.80 A	8.87 A	8.97 A
Open Circuit Voltage (Voc)	45.8 V	45.9 V	46.1 V	46.2 V
Short Circuit Current (Isc)	9.21 A	9.31 A	9.41 A	9.48 A
Module Efficiency	16.72%	16.97%	17.23%	17.49%
Operating Temperature	-40°C ~ ·	+85°C		
Max. System Voltage	1000 V (I	EC) or 10	00 V (UL)
Module Fire Performance	TYPE 1 (UL 1703) or	
	CLASS C	(IEC 61	730)	
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/m², spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL DATA | NOCT*

CS6U	325M	330M	335M	340M
Nominal Max. Power (Pmax)	235 W	238 W	242 W	245 W
Opt. Operating Voltage (Vmp)	34.1 V	34.2 V	34.5 V	34.6 V
Opt. Operating Current (Imp)	6.88 A	6.96 A	7.01 A	7.10 A
Open Circuit Voltage (Voc)	42.0 V	42.1 V	42.3 V	42.4 V
Short Circuit Current (Isc)	7.46 A	7.54 A	7.62 A	7.67 A

 * Under Nominal Operating Cell Temperature (NOCT), irradiance of 800 W/m², 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 % from irradiances, between 1000 W/m² and 200 W/m² (AM 1.5, 25°C).

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CS6U-335M / I-V CURVES



MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline, 6 inch
Cell Arrangement	72 (6×12)
Dimensions	1960 × 992 × 40 mm (77.2 × 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	IP67, 3 diodes
Cable	4 mm ² (IEC) or 4 mm ² & 12 AWG
	1000V (UL), 1160 mm (45.7 in)
Connector	T4 series or PV2 series
Per Pallet	26 pieces, 635 kg (1400 lbs)
Per container (40' HQ)	624 pieces

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.41 % / °C
Temperature Coefficient (Voc)	-0.31 % / °C
Temperature Coefficient (Isc)	0.053 % / °C
Nominal Operating Cell Temperature	45±2 °C

PARTNER SECTION







MAXPOWER (1500 V) CS6U-325 | 330 | 335 | 340M

Canadian Solar's new 1500 V module is a product for high voltage systems, which can increase the string length of solar systems by up to 50%, saving BOS costs.



10

linear power output warranty



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 / MCS / CE UL 1703 / IEC 61215 performance: CEC listed (US) UL 1703: CSA / IEC 61701 ED2: VDE / IEC 62716: VDE UNI 9177 Reaction to Fire: Class 1 Take-e-way



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KEY FEATURES



Designed for high voltage systems of up to 1500 V_{DC} , saving on BoS costs

Outstanding low irradiance performance of up to 96.5%



High PTC rating of up to 91.7 %



IP67 junction box for longterm weather endurance



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

CANADIAN SOLAR INC.

Rear View



Mounting Hole

I J 2-R3.5 2-R4.5

ELECTRICAL DATA | STC*

CS6U	325M	330M	335M	340M
Nominal Max. Power (Pmax)	325 W	330 W	335 W	340 W
Opt. Operating Voltage (Vmp)	37.4 V	37.5 V	37.8 V	37.9 V
Opt. Operating Current (Imp)	8.69 A	8.80 A	8.87 A	8.97 A
Open Circuit Voltage (Voc)	45.8 V	45.9 V	46.1 V	46.2 V
Short Circuit Current (Isc)	9.21 A	9.31 A	9.41 A	9.48 A
Module Efficiency	16.72%	16.97%	17.23%	17.49%
Operating Temperature	-40°C ~	+85°C		
Max. System Voltage	1500 V (IEC) or 15	500 V (UL)
Module Fire Performance	TYPE 1 (UL 1703) or			
	CLASS C	(IEC 617	730)	
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/m², spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL DATA | NOCT*

CS6U	325M	330M	335M	340M
Nominal Max. Power (Pmax)	235 W	238 W	242 W	245 W
Opt. Operating Voltage (Vmp)	34.1 V	34.2 V	34.5 V	34.6 V
Opt. Operating Current (Imp)	6.88 A	6.96 A	7.01 A	7.10 A
Open Circuit Voltage (Voc)	42.0 V	42.1 V	42.3 V	42.4 V
Short Circuit Current (Isc)	7.46 A	7.54 A	7.62 A	7.67 A

 * Under Nominal Operating Cell Temperature (NOCT), irradiance of 800 W/m², 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 % from irradiances, between 1000 W/m² and 200 W/m² (AM 1.5, 25°C).

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CS6U-335M / I-V CURVES



MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline, 6 inch
Cell Arrangement	72 (6×12)
Dimensions	1960 × 992 × 40 mm (77.2 × 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	IP67, 3 diodes
Cable	PV1500DC-F1 4 mm2 (IEC) & 12 AWG
	2000 V (UL), 1160 mm (45.7 in)
Connector	T4 series or UTX or MC4 series
Per Pallet	26 pieces, 635 kg (1400 lbs)
Per container (40' HQ)	624 pieces

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.41 % / °C
Temperature Coefficient (Voc)	-0.31 % / °C
Temperature Coefficient (Isc)	0.053 % / °C
Nominal Operating Cell Temperature	45±2 °C

PARTNER SECTION







*Black frame product can be provided upon request.

CS6K-260|265|270|275P

Canadian Solar's modules use the latest innovative cell technology, increasing module power output and system reliability, ensured by 15 years of experience in module manufacturing, well-engineered module design, stringent BOM quality testing, an automated manufacturing process and 100% EL testing.



KEY FEATURES

Excellent module efficiency of up to 16.80 %



High PTC rating of up to 91.89 %



Outstanding low irradiance performance of up to 96.5 %



IP67 junction box for long-term weather endurance



Heavy snow load up to 6000 Pa, wind load up to 4000 Pa * **25** linear power output warranty



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 /TÜV-Rheinland / CE / MCS / CEC AU / INMETRO / CQC UL 1703 / IEC 61215 performance: CEC listed (US) / FSEC (US Florida) UL 1703: CSA / IEC 61701 ED2: VDE / IEC 62716: VDE UNI 9177 Reaction to Fire: Class 1 IEC 60068-2-68: SGS Take-e-way



* 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.

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*For detail information, please refer to Installation Manual.

CANADIAN SOLAR INC.

Rear View

Frame Cross Section A-A



ELECTRICAL DATA | STC*

CS6K	260P	265P	270P	275P
Nominal Max. Power (Pmax)	260 W	265 W	270 W	275 W
Opt. Operating Voltage (Vmp)	30.4 V	30.6 V	30.8 V	31.0 V
Opt. Operating Current (Imp)	8.56 A	8.66 A	8.75 A	8.88 A
Open Circuit Voltage (Voc)	37.5 V	37.7 V	37.9 V	38.0 V
Short Circuit Current (Isc)	9.12 A	9.23 A	9.32 A	9.45 A
Module Efficiency	15.88%	16.19%	16.50%	16.80%
Operating Temperature	-40°C ~	+85°C		
Max. System Voltage	1000 V (IEC) or 1	000 V (L	JL)
Module Fire Performance	TYPE 1	(UL 1703	3) or	
	CLASS (C (IEC 61	730)	
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/m², spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL DATA | NOCT*

CS6K	260P	265P	270P	275P
Nominal Max. Power (Pmax)	189 W	192 W	196 W	199 W
Opt. Operating Voltage (Vmp)	27.7 V	27.9 V	28.1 V	28.3 V
Opt. Operating Current (Imp)	6.80 A	6.88 A	6.97 A	7.05 A
Open Circuit Voltage (Voc)	34.5 V	34.7 V	34.8 V	34.9 V
Short Circuit Current (Isc)	7.39 A	7.48 A	7.55 A	7.66 A

 * Under Nominal Operating Cell Temperature (NOCT), irradiance of 800 W/m², 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 % from irradiances, between 1000 W/m² and 200 W/m² (AM 1.5, 25°C).

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CS6K-270P / I-V CURVES



MECHANICAL DATA

Specification	Data
Cell Type	Poly-crystalline, 6 inch
Cell Arrangement	60 (6×10)
Dimensions	1650×992×40 mm
	(65.0×39.1×1.57 in)
Weight	18.2 kg (40.1 lbs)
Front Cover	3.2 mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67, 3 diodes
Cable	4 mm ² (IEC) or 4 mm ² & 12 AWG
	1000 V (UL), 1000 mm (39.4 in)
Connector	T4 series or PV2 series
Per Pallet	26 pieces, 520 kg (1146.4 lbs)
Per container (40' HQ)	728 pieces

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.41 % /°C
Temperature Coefficient (Voc)	-0.31 % /°C
Temperature Coefficient (Isc)	0.053 % /°C
Nominal Operating Cell Temperature	45±2 °C

PARTNER SECTION



1500 V CS6K-265|270|275P

Canadian Solar's new 1500 V module is a product for high voltage systems, which can increase the string length of solar systems by up to 50%, saving BOS costs.



*Black frame product can be provided upon request.



linear power output warranty



KEY FEATURES



Designed for high voltage systems of up to 1500 $V_{\rm pc'}$ saving on BoS costs

+

Excellent module efficiency of up to 16.80 %



High PTC rating of up to 91.89 %



Outstanding low irradiance performance of up to 96.5 %



IP67 junction box for long-term weather endurance

Heavy snow load up to 6000 Pa, wind load up to 4000 Pa *

10 pi years ai

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 / MCS UL 1703 / IEC 61215 performance: CEC listed (US) UL 1703: CSA / IEC 61701 ED2: VDE / IEC 62716: VDE UNI 9177 Reaction to Fire: Class 1 Take-e-way



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*For detail information, please refer to Installation Manual.

Rear View

Frame Cross Section A-A



ELECTRICAL DATA | STC*

CS6K	265P	270P	275P
Nominal Max. Power (Pmax)	265 W	270 W	275 W
Opt. Operating Voltage (Vmp)	30.6 V	30.8 V	31.0 V
Opt. Operating Current (Imp)	8.66 A	8.75 A	8.88 A
Open Circuit Voltage (Voc)	37.7 V	37.9 V	38.0 V
Short Circuit Current (Isc)	9.23 A	9.32 A	9.45 A
Module Efficiency	16.19 %	16.50 %	16.80 %
Operating Temperature	-40°C ~ ·	+85°C	
Max. System Voltage	1500 V (I	EC) or 15	00 V (UL)
Module Fire Performance	TYPE 1 (UL 1703)	or
	CLASS C	(IEC 617	30)
Max. Series Fuse Rating	15 A		
Application Classification	Class A		
Power Tolerance	0 ~ + 5 V	V	

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

ELECTRICAL DATA | NOCT*

CS6K	265P	270P	275P
Nominal Max. Power (Pmax)	192 W	196 W	199 W
Opt. Operating Voltage (Vmp)	27.9 V	28.1 V	28.3 V
Opt. Operating Current (Imp)	6.88 A	6.97 A	7.05 A
Open Circuit Voltage (Voc)	34.7 V	34.8 V	34.9 V
Short Circuit Current (Isc)	7.48 A	7.55 A	7.66 A

* Under Nominal Operating Cell Temperature (NOCT), irradiance of 800 W/m², 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 % from irradiances, between 1000 W/m² and 200 W/m² (AM 1.5, 25°C).

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CS6K-270P / I-V CURVES



MECHANICAL DATA

Specification	Data
Cell Type	Poly-crystalline, 6 inch
Cell Arrangement	60 (6×10)
Dimensions	1650×992×40 mm (65.0×39.1×1.57 in)
Weight	18.2 kg (40.1 lbs)
Front Cover	3.2 mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67, 3 diodes
Cable	PV1500DC-F1 4 mm ² (IEC) & 12 AWG
	2000 V (UL), 1000 mm (39.4 in)
Connector	T4 series or UTX or MC4 series
Per Pallet	26 pieces, 520 kg (1146.4 lbs)
Per container (40' HQ)	728 pieces

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.41 % /°C
Temperature Coefficient (Voc)	-0.31 % / °C
Temperature Coefficient (Isc)	0.053 % / °C
Nominal Operating Cell Temperature	45±2 °C

PARTNER SECTION





CanadianSolar

SUPERPOWER CS6K-290 | 295 | 300MS

Canadian Solar's new SuperPower modules with Mono-PERC cells significantly improve efficiency and reliability. The innovative technology offers superior low irradiance performance in the morning, in the evening and on cloudy days, increasing the energy output of the module and the overall yield of the solar system.



*Black frame product can be provided upon request.



linear power output warranty





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: TÜV-Rheinland / VDE / CE / MCS / CEC AU / JET UL 1703 / IEC 61215 performance: CEC listed (US) / FSEC (US Florida) UL 1703: CSA / IEC 61701 ED2: VDE / IEC 62716: VDE UNI 9177 Reaction to Fire: Class 1 IEC 60068-2-68: SGS Take-e-way



* 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.

CANADIAN SOLAR 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 17 GW deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.

KEY FEATURES

High

PŤC

11 % more power than conventional modules

Excellent performance at low irradiance of up to 97.5 %

High PTC rating of up to 91.87 %

Improved energy production due to low temperature coefficients

IP67 junction box for longterm weather endurance

Heavy snow load up to 6000 Pa, wind load up to 4000 Pa *

*For detail information, please refer to Installation Manual.

CANADIAN SOLAR INC.

Rear View Frame Cross Section A-A 180 180 35 <u>8-14x9</u> Mounting Hole 650 990 **Mounting Hole** 6-Φ5 АЦ Grounding Hole Z 941 40 992

ELECTRICAL DATA | STC*

CS6K	290MS	295MS	300MS
Nominal Max. Power (Pmax)	290 W	295 W	300 W
Opt. Operating Voltage (Vmp)	32.1 V	32.3 V	32.5 V
Opt. Operating Current (Imp)	9.05 A	9.14 A	9.24 A
Open Circuit Voltage (Voc)	39.3 V	39.5 V	39.7 V
Short Circuit Current (Isc)	9.67 A	9.75 A	9.83 A
Module Efficiency	17.72 %	18.02 %	18.33 %
Operating Temperature	-40°C ~ +	+85°C	
Max. System Voltage	1000 V (IEC) or 1000 V (UL)		
Module Fire Performance	TYPE 1 (UL 1703) or		or
	CLASS C	(IEC 6173	80)
Max. Series Fuse Rating	15 A		
Application Classification	Class A		
Power Tolerance	0 ~ + 5 V	V	

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

ELECTRICAL DATA | NOCT*

CS6K	290MS	295MS	300MS
Nominal Max. Power (Pmax)	210 W	213 W	216 W
Opt. Operating Voltage (Vmp)	29.0 V	29.2 V	29.4 V
Opt. Operating Current (Imp)	7.25 A	7.30 A	7.35 A
Open Circuit Voltage (Voc)	36.2 V	36.4 V	36.6 V
Short Circuit Current (Isc)	7.74 A	7.83 A	7.92 A

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

PERFORMANCE AT LOW IRRADIANCE

Excellent performance at low irradiance, with an average relative efficiency of 97.5 % from irradiances, between 1000 W/m² and 200 W/m² (AM 1.5, 25°C).

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.

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.

CS6K-295MS / I-V CURVES



MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline, 6 inch
Cell Arrangement	60 (6×10)
Dimensions	1650×992×40 mm (65.0×39.1×1.57 in)
Weight	18.2 kg (40.1 lbs)
Front Cover	3.2 mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67, 3 diodes
Cable	4 mm ² (IEC) or 4 mm ² & 12 AWG
	1000 V (UL), 1000 mm (39.4 in)
Connector	T4 series or PV2 series
Per Pallet	26 pieces, 520 kg (1146.4 lbs)
Per container (40' HQ)	728 pieces

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.39 % /°C
Temperature Coefficient (Voc)	-0.30 % /°C
Temperature Coefficient (Isc)	0.053 % / °C
Nominal Operating Cell Temperature	45±2 °C

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PARTNER SECTION

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*Black frame product can be provided upon request.



Excellent module efficiency of up to 17.41 %

CS6K-275 280 285 M

Canadian Solar's modules use the latest innovative cell technology, increasing module power output and

system reliability, ensured by 15 years of experience

design, stringent BOM quality testing, an automated

in module manufacturing, well-engineered module

manufacturing process and 100% EL testing.

High PTC

KEY FEATURES

High PTC rating of up to 90.7%

Outstanding low irradiance performance of up to 96.5 %

> IP67 junction box for longterm weather endurance

Heavy snow load up to 6000 Pa, wind load up to 4000 Pa * 25) linear power output warranty



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 / MCS / JET / CEC AU / CQC / INMETRO UL 1703 / IEC 61215 performance: CEC listed (US) UL 1703: CSA / IEC 61701 ED2: VDE / IEC 62716: VDE UNI 9177 Reaction to Fire: Class 1 IEC 60068-2-68: SGS Take-e-way



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CANADIAN SOLAR INC.



ELECTRICAL DATA | STC*

CS6K	275 M	280 M	285 M
Nominal Max. Power (Pmax)	275 W	280 W	285 W
Opt. Operating Voltage (Vmp)	31.3 V	31.5 V	31.7 V
Opt. Operating Current (Imp)	8.80 A	8.89 A	8.98 A
Open Circuit Voltage (Voc)	38.3 V	38.5 V	38.6 V
Short Circuit Current (Isc)	9.31 A	9.43 A	9.51 A
Module Efficiency	16.80 %	17.11 %	17.41 %
Operating Temperature	-40°C ~ +	85°C	
Max. System Voltage	1000 V (IEC) or 1000 V (UL)		
Module Fire Performance	TYPE 1 (UL 1703) or		
	CLASS C	(IEC 6173	0)
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/m², spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL DATA | NOCT*

CS6K	275 M	280 M	285 M
Nominal Max. Power (Pmax)	199 W	202 W	206 W
Opt. Operating Voltage (Vmp)	28.5 V	28.7 V	28.9 V
Opt. Operating Current (Imp)	6.95 A	7.04 A	7.12 A
Open Circuit Voltage (Voc)	35.1 V	35.3 V	35.4 V
Short Circuit Current (Isc)	7.54 A	7.63 A	7.70 A

* Under Nominal Operating Cell Temperature (NOCT), irradiance of 800 W/m², 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 % from irradiances, between 1000 W/m² and 200 W/m² (AM 1.5, 25°C).

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CS6K-280M / I-V CURVES



MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline, 6 inch
Cell Arrangement	60 (6×10)
Dimensions	1650×992×40 mm (65.0×39.1×1.57 in)
Weight	18.2 kg (40.1 lbs)
Front Cover	3.2 mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67, 3 diodes
Cable	4 mm ² (IEC) or 4 mm ² & 12 AWG
	1000 V (UL), 1000 mm (39.4 in)
Connector	T4 series or PV2 series
Per Pallet	26 pieces, 520 kg (1146.4 lbs)
Per container (40' HQ)	728 pieces

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.41 % /°C
Temperature Coefficient (Voc)	-0.31 % / °C
Temperature Coefficient (Isc)	0.053 % / °C
Nominal Operating Cell Temperature	45±2 °C

PARTNER SECTION





*Black frame product can be provided upon request.

1500 V CS6K-275 | 280 | 285M

Canadian Solar's new 1500 V module is a product for high voltage systems, which can increase the string length of solar systems by up to 50%, saving BOS costs.

KEY FEATURES



Designed for high voltage systems of up to 1500 V_{pc} , saving on BoS costs



Excellent module efficiency of up to 17.41 %



High PTC rating of up to 90.7%



Outstanding low irradiance performance of up to 96.5 %





25 linear power output warranty



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 / MCS UL 1703 / IEC 61215 performance: CEC listed (US) UL 1703: CSA / IEC 61701 ED2: VDE / IEC 62716: VDE UNI 9177 Reaction to Fire: Class 1 Take-e-way



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*For detail information, please refer to Installation Manual.

CANADIAN SOLAR INC.



Mounting Hole

ELECTRICAL DATA | STC*

CS6K	275 M	280 M	285 M
Nominal Max. Power (Pmax)	275 W	280 W	285 W
Opt. Operating Voltage (Vmp)	31.3 V	31.5 V	31.7 V
Opt. Operating Current (Imp)	8.80 A	8.89 A	8.98 A
Open Circuit Voltage (Voc)	38.3 V	38.5 V	38.6 V
Short Circuit Current (Isc)	9.31 A	9.43 A	9.51 A
Module Efficiency	16.80 %	17.11 %	17.41 %
Operating Temperature	-40°C ~ +	85°C	
Max. System Voltage	1500 V (IE	EC) or 150	0 V (UL)
Module Fire Performance	TYPE 1 (UL 1703) or		
	CLASS C	(IEC 6173	0)
Max. Series Fuse Rating	15 A		
Application Classification	Class A		
Power Tolerance	0 ~ + 5 W	1	

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

ELECTRICAL DATA | NOCT*

CS6K	275 M	280 M	285 M
Nominal Max. Power (Pmax)	199 W	202 W	206 W
Opt. Operating Voltage (Vmp)	28.5 V	28.7 V	28.9 V
Opt. Operating Current (Imp)	6.95 A	7.04 A	7.12 A
Open Circuit Voltage (Voc)	35.1 V	35.3 V	35.4 V
Short Circuit Current (Isc)	7.54 A	7.63 A	7.70 A

* Under Nominal Operating Cell Temperature (NOCT), irradiance of 800 W/m², 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 % from irradiances, between 1000 W/m² and 200 W/m² (AM 1.5, 25°C).

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CS6K-280M / I-V CURVES



MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline, 6 inch
Cell Arrangement	60 (6×10)
Dimensions	1650×992×40 mm (65.0×39.1×1.57 in)
Weight	18.2 kg (40.1 lbs)
Front Cover	3.2 mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67, 3 diodes
Cable	PV1500DC-F1 4 mm ² (IEC) & 12 AWG
	2000 V (UL)
Connector	T4 series or UTX or MC4 series
Per Pallet	26 pieces, 520 kg (1146.4 lbs)
Per container (40' HQ)	728 pieces

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.41 % / °C
Temperature Coefficient (Voc)	-0.31 % / °C
Temperature Coefficient (Isc)	0.053 % / °C
Nominal Operating Cell Temperature	45±2 °C

PARTNER SECTION