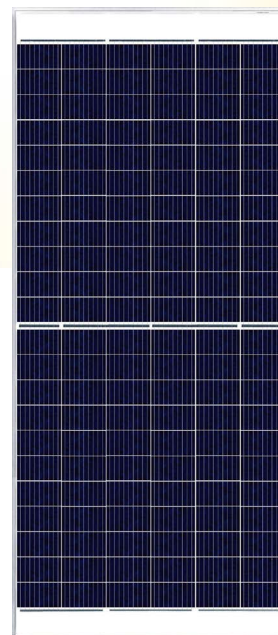


CS6XH-295 | 300 | 305 | 310 | 315P (1000V) CS6XH-295 | 300 | 305 | 310 | 315P (1500V)



MORE POWER



Low power loss in cell connection



Low NMOT: 43 ± 3 °C
Low temperature coefficient (Pmax): -0.38 % / °C



Better shading tolerance



5BB cell



MBB cell

* Both 5BB and MBB modules will be supplied.

MORE RELIABLE



Lower hot spot temperature



Minimizes micro-cracks



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

MANAGEMENT SYSTEM CERTIFICATES*

ISO 9001:2015 / Quality management system
ISO 14001:2015 / Standards for environmental management system
OHSAS 18001:2007 / International standards for occupational health & safety

PRODUCT CERTIFICATES*

IEC 61215 / IEC 61730 / CE



* 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. No. 1 module supplier for quality and performance/price ratio in IHS Module Customer Insight Survey. As a leading PV project developer and manufacturer of solar modules with over 46 GW deployed around the world since 2001.

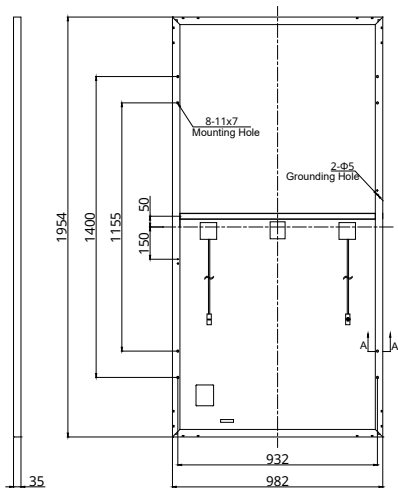
* For detailed information, please refer to the Installation Manual.

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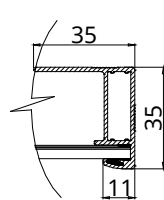
Canadian Solar MSS (Australia) Pty Ltd., 44 Stephenson St, Cremorne VIC 3121, Australia
sales.au@canadiansolar.com, www.canadiansolar.com/au

ENGINEERING DRAWING (mm)

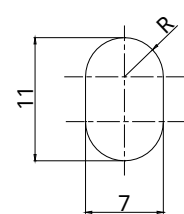
Rear View



Frame Cross Section A-A



Mounting Hole



ELECTRICAL DATA | STC*

CS6XH	295P	300P	305P	310P	315P
Nominal Max. Power (Pmax)	295 W	300 W	305 W	310 W	315 W
Opt. Operating Voltage (Vmp)	34.4 V	34.6 V	34.8 V	35.0 V	35.2 V
Opt. Operating Current (Imp)	8.58 A	8.68 A	8.77 A	8.86 A	8.95 A
Open Circuit Voltage (Voc)	41.4 V	41.6 V	41.8 V	42.0 V	42.2 V
Short Circuit Current (Isc)	9.52 A	9.56 A	9.60 A	9.64 A	9.68 A
Module Efficiency	15.37%	15.63%	15.90%	16.16%	16.42%
Operating Temperature	-40°C ~ +85°C				
Max. System Voltage	1000V (IEC/UL) or 1500V (IEC/UL)				
Module Fire Performance	TYPE 1 (UL 61730 1500V) or TYPE 2 (UL61730 1000V) or Class C (IEC 61730)				
Max. Series Fuse Rating	20 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. Measurement uncertainty: ±3 % (Pmax).

ELECTRICAL DATA | NMOT*

CS6XH	295P	300P	305P	310P	315P
Nominal Max. Power (Pmax)	218 W	222 W	225 W	229 W	233 W
Opt. Operating Voltage (Vmp)	31.8 V	32.0 V	32.1 V	32.3 V	32.5 V
Opt. Operating Current (Imp)	6.86 A	6.94 A	7.01 A	7.09 A	7.16 A
Open Circuit Voltage (Voc)	38.6 V	38.7 V	38.9 V	39.1 V	39.3 V
Short Circuit Current (Isc)	7.68 A	7.72 A	7.75 A	7.78 A	7.81 A

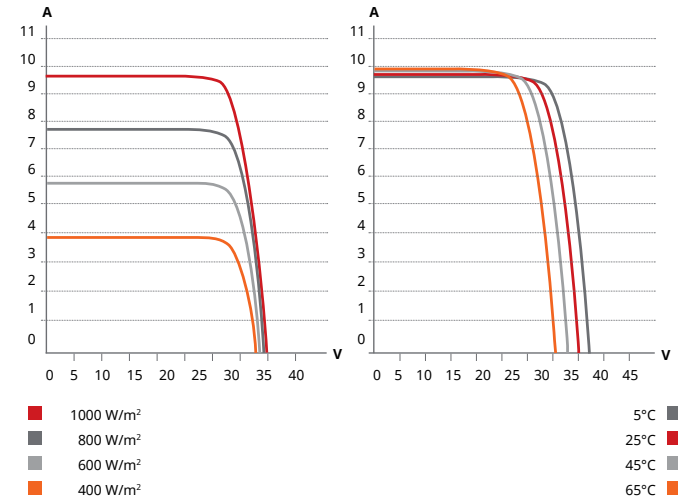
* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

* 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 adjustments to the information described herein at any time without further notice. 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.

CANADIAN SOLAR INC.

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CS6XH-310P / I-V CURVES



MECHANICAL DATA

Specification	Data
Cell Type	Poly-crystalline
Cell Arrangement	132 [2 X (11 X 6)]
Dimensions	1954 X 982 X 35 mm (76.9 X 38.7 X 1.38 in)
Weight	21.6 kg (47.6 lbs)
Front Cover	3.2 mm tempered glass
Frame	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4.0 mm ² (IEC), 12 AWG (UL)
Cable Length (Including Connector)	Portrait: 400 mm (15.7 in) (+) / 280 mm (11.0 in) (-); landscape: 1250 mm (49.2 in)*
Connector	T4-PC-1 (IEC 1000 V) or PV-KST4/xy-UR (IEC 1000 V) or T4-PC-1 (IEC 1500 V) or T4-PPE-1 (IEC 1500 V) or PV-KST4-EVO2/XY, PV-KBT4-EVO2/XY (IEC 1500 V) or UTXCFA4AM, UTXC-MA4AM (IEC 1500 V)
Per Pallet	30 pieces
Per Container (40' HQ)	720 pieces

* For detailed information, please contact your local Canadian Solar sales and technical representatives.

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	43 ± 3°C

PARTNER SECTION

