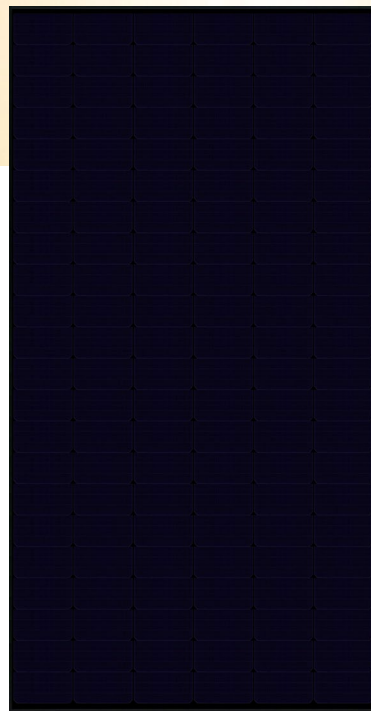




HiDM-Black

HIGH DENSITY MONO PERC MODULE
POWER RANGE: 320 W ~ 330 W
(EQUIVALENT TO 60 CELL FORMAT)
CS1H-320 | 325 | 330MS

With Canadian Solar's innovative module technology and Mono-PERC cell technology, we will offer our customers high power modules up to 330 W with enhanced aesthetics appearance. Through maximizing the light absorption area and removing the loss of ribbon resistance, the module efficiency can reach up to 19.57 %.



MORE POWER



Maximize the light absorption area,
module efficiency up to 19.57 %



Low NMOT: 43 ± 3 °C
Low temperature coefficient (Pmax):
-0.37 % / °C



Better shading tolerance

MORE RELIABLE



Lower hot spot temperature



Minimizes micro-cracks



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



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 (Expected on July, 2018)

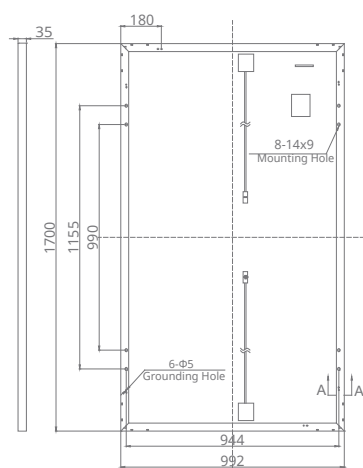
UL 1703: CSA (Expected on August, 2018)

* If you need specific product certificates, and if module installations are to deviate from our guidance specified in our installation manual, please contact your local Canadian Solar sales and technical representatives.

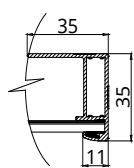
CANADIAN SOLAR INC. is committed to providing high quality solar products, solar system solutions and services to customers around the world. As a leading PV project developer and manufacturer of solar modules with over 25 GW deployed around the world since 2001, Canadian Solar Inc. is one of the most bankable solar companies worldwide.

ENGINEERING DRAWING (mm)

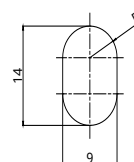
Rear View



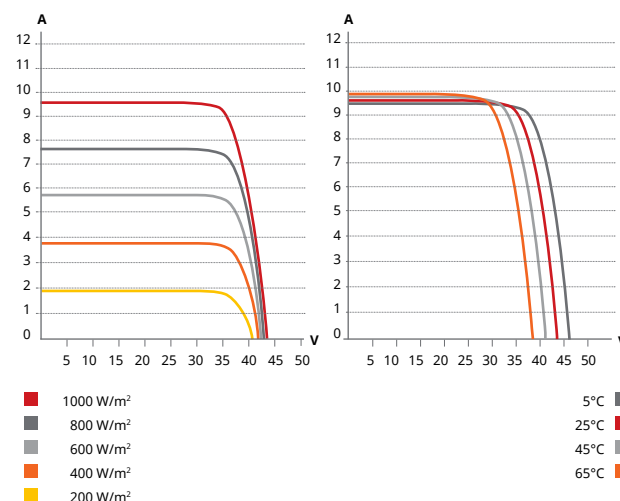
Frame Cross Section A-A



Mounting Hole



CS1H-330MS / I-V CURVES



ELECTRICAL DATA | STC*

CS1H	320MS	325MS	330MS
Nominal Max. Power (Pmax)	320 W	325 W	330 W
Opt. Operating Voltage (Vmp)	35.8 V	36.0 V	36.2 V
Opt. Operating Current (Imp)	9.01 A	9.10 A	9.19 A
Open Circuit Voltage (Voc)	43.3 V	43.5 V	43.7 V
Short Circuit Current (Isc)	9.51 A	9.58 A	9.65 A
Module Efficiency	18.98%	19.27%	19.57%
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 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.

MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
Dimensions	1700 × 992 × 35 mm (66.9 × 39.1 × 1.38 in)
Weight	19.2 kg (42.3 lbs)
Front Cover	3.2 mm tempered glass
Frame	Anodized aluminium alloy
J-Box	IP67, 3 bypass diodes
Cable	4.0 mm² (IEC), 12 AWG (UL)
Cable Length	1300 mm (51.2 in), 740 mm (29.1 in) (Including Connector) is optional for landscape installation
Connector	T4 series (1000 V)
Per Pallet	30 pieces
Per Container (40' HQ)	780 pieces

ELECTRICAL DATA | NMOT*

CS1H	320MS	325MS	330MS
Nominal Max. Power (Pmax)	238 W	242 W	245 W
Opt. Operating Voltage (Vmp)	32.7 V	32.8 V	33.0 V
Opt. Operating Current (Imp)	7.28 A	7.36 A	7.43 A
Open Circuit Voltage (Voc)	40.6 V	40.8 V	41.0 V
Short Circuit Current (Isc)	7.67 A	7.73 A	7.79 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)	-0.37 % / °C
Temperature Coefficient (Voc)	-0.29 % / °C
Temperature Coefficient (Isc)	0.05 % / °C
Nominal Module Operating Temperature	43±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.

CANADIAN SOLAR INC.

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