


# HiDM


**HIGH DENSITY MONO PERC MODULE**


**320 W ~ 335 W**

**CS1H-320 | 325 | 330 | 335MS (IEC1000 V)**


## MORE POWER


 **UP TO 19.86%** Maximize the light absorption area, module efficiency up to 19.86 %


 **42°C** Low NMOT:  $42 \pm 3$  °C  
Low temperature coefficient (Pmax): -0.37 % / °C

 **+** Better shading tolerance

## MORE RELIABLE

 Lower internal current, lower hot spot temperature

 Cell crack risk limited in small region, enhance the module reliability

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

 **25 years** linear power output warranty

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

## 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: VDE / CE / CEC AU

IEC61701 ED2: VDE / IEC62716: VDE

UL 1703: CSA

Take-e-way

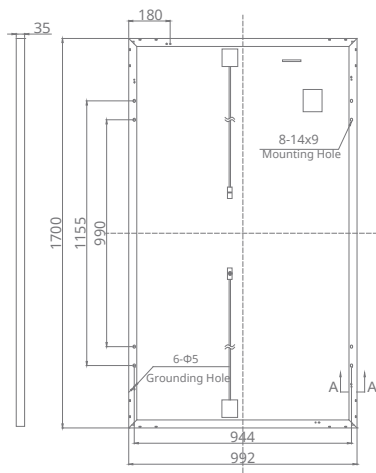


\* We can provide this product with special BOM specifically certified with salt mist, and ammonia tests. Please talk to our local technical sales representatives to get your customized solutions.

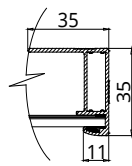
**CANADIAN SOLAR INC.** is committed to providing high quality solar products, solar system solutions and services to customers around the world. No. 1 module supplier for quality and performance/price ratio in IHS Module Customer Insight Survey. As a leading PV project developer and manufacturer of solar modules with over 30 GW deployed around the world since 2001.

## ENGINEERING DRAWING (mm)

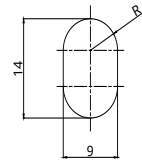
### Rear View



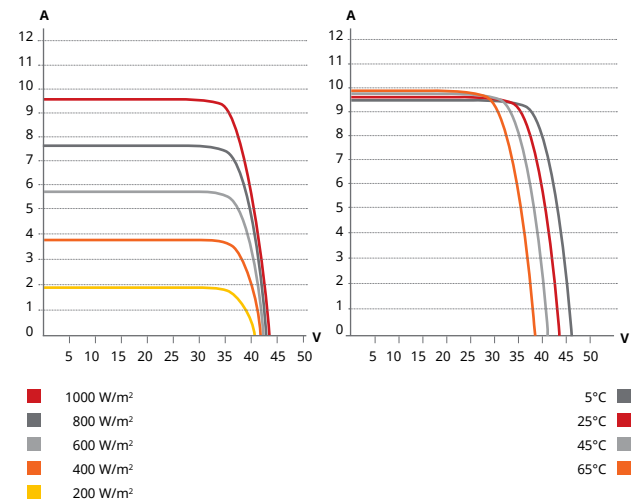
### Frame Cross Section A-A



### Mounting Hole



## CS1H-330MS / I-V CURVES



## ELECTRICAL DATA | STC\*

CS1H	320MS	325MS	330MS	335MS
Nominal Max. Power (Pmax)	320 W	325 W	330 W	335 W
Opt. Operating Voltage (Vmp)	35.6 V	35.8 V	36.0 V	36.2 V
Opt. Operating Current (Imp)	9.00 A	9.09 A	9.18 A	9.27 A
Open Circuit Voltage (Voc)	43.3 V	43.4 V	43.5 V	43.6 V
Short Circuit Current (Isc)	9.51 A	9.58 A	9.65 A	9.73 A
Module Efficiency	18.98%	19.27%	19.57%	19.86%
Operating Temperature	-40°C ~ +85°C			
Max. System Voltage	1500V (IEC) or 1000V (IEC/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/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C. Measurement uncertainty: ±3 % (Pmax).

## 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 mm <sup>2</sup> (IEC), 12 AWG (UL)
Cable Length (Including Connector)	1350 mm (53.1 in)
Connector	T4 series (MC4 series is available)
Per Pallet	30 pieces
Per Container (40' HQ)	780 pieces

## ELECTRICAL DATA | NMOT\*

CS1H	320MS	325MS	330MS	335MS
Nominal Max. Power (Pmax)	239 W	242 W	246 W	250 W
Opt. Operating Voltage (Vmp)	32.5 V	32.7 V	32.8 V	33.0 V
Opt. Operating Current (Imp)	7.35 A	7.42 A	7.50 A	7.57 A
Open Circuit Voltage (Voc)	40.7 V	40.8 V	40.9 V	41.0 V
Short Circuit Current (Isc)	7.67 A	7.73 A	7.78 A	7.84 A

\* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m<sup>2</sup>, 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	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.

## CANADIAN SOLAR INC.

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

December 2018. All rights reserved, PV Module Product Datasheet V5.571\_AU

\* Manufactured and assembled in China or Thailand.