

# HiKu7 Mono PERC

120 mono cell (580 ~ 600 W)

CS7L-580 | 585 | 590 | 595 | 600 | 605MS



## MORE POWER

-  Module power up to 605W  
Module efficiency up to 21.4 %
-  Up to 3.5 % lower LCOE  
Up to 5.7 % lower system cost
-  Comprehensive LID / LeTID mitigation technology, up to 50% lower degradation
-  Compatible with mainstream trackers, cost effective product for utility power plant
-  Better shading tolerance

 **12 Years** Enhanced Product Warranty on Materials and Workmanship\*

 **25 Years** Linear Power Performance Warranty\*

1st year power degradation no more than 2%  
Subsequent annual power degradation no more than 0.55%

\*According to the applicable Canadian Solar Limited Warranty Statement.

## MORE RELIABLE

-  40 °C lower hot spot temperature, greatly reduce module failure rate
-  Minimizes micro-crack impacts
-  40 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  
ISO 45001: 2018 / International standards for occupational health & safety

## PRODUCT CERTIFICATES\*

IEC 61215 / IEC 61730 /  
INMETRO UL 61730 / IEC 61701 / IEC 62716 Take-e-way



\* The specific certificates applicable to different module types and markets will vary, and therefore not all of the certifications listed herein will simultaneously apply to the products you order or use. Please contact your local Canadian Solar sales representative to confirm the specific certificates available for your Product and applicable in the regions in which the products will be used.

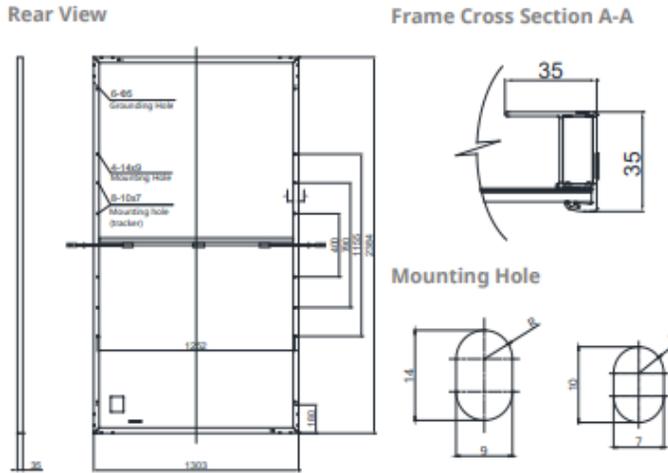
**CSI Solar Co., Ltd** is committed to providing high quality solar products, solar system solutions and services to customers around the world. Canadian Solar was recognized as the No. 1 module supplier for quality and performance/price ratio in the IHS Module Customer Insight Survey, and is a leading 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.

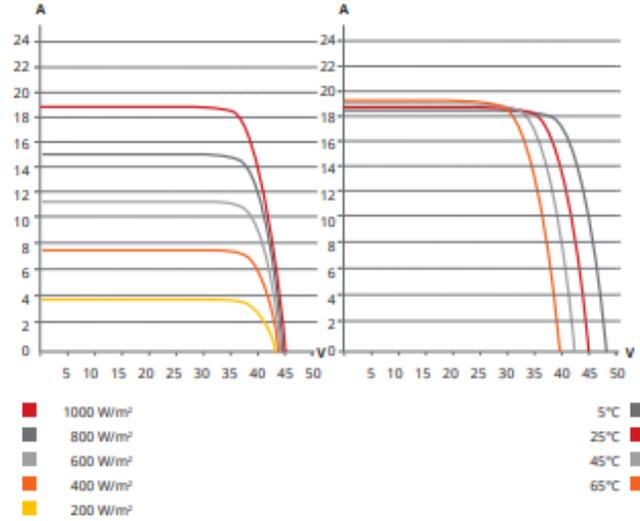
Address:  
Unit 2301, Bayfield Building, 99 Hennessy Rd,  
Wanchai, Hong Kong

Tel: +852 5803 4267  
Email: [info@joginternational.com](mailto:info@joginternational.com)  
Website: [www.joginternational.com](http://www.joginternational.com)

## ENGINEERING DRAWING (mm)



## CS7L-590MS / I-V CURVES



## ELECTRICAL DATA | STC\*

	580MS	585MS	590MS	595MS	600MS	605MS
<b>Nominal Max. Power (Pmax)</b>	580 W	585 W	590 W	595 W	600 W	605 W
<b>Opt. Operating Voltage (Vmp)</b>	34.1 V	34.3 V	34.5 V	34.7 V	34.9 V	35.1 V
<b>Opt. Operating Current (Imp)</b>	17.02A	17.06A	17.11A	17.15A	17.20A	17.25A
<b>Open Circuit Voltage (Voc)</b>	40.5 V	40.7 V	40.9 V	41.1 V	41.3 V	41.5 V
<b>Short Circuit Current (Isc)</b>	18.27A	18.32A	18.37A	18.42A	18.47A	18.52A
<b>Module Efficiency</b>	20.5%	20.7%	20.8%	21.0%	21.2%	21.4%
<b>Operating Temperature</b>	-40°C ~ +85°C					
<b>Max. System Voltage</b>	1500V (IEC) or 1000V (IEC)					
<b>Module Fire Performance</b>	CLASS C (IEC 61730)					
<b>Max. Series Fuse Rating</b>	30 A					
<b>Application Classification</b>	Class A					
<b>Power Tolerance</b>	0 ~ + 10 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

## MECHANICAL DATA

Specification	Data
<b>Cell Type</b>	Mono-crystalline
<b>Cell Arrangement</b>	120 [2 x (10 x 6)]
<b>Dimensions</b>	2172 x 1303 x 35 mm (85.5 x 51.3 x 1.38 in)
<b>Weight</b>	31.4 kg (69.2 lbs)
<b>Front Cover</b>	3.2 mm tempered glass
<b>Frame</b>	Anodized aluminium alloy, crossbar enhanced
<b>J-Box</b>	IP68, 3 bypass diodes
<b>Cable</b>	4 mm <sup>2</sup> (IEC)
<b>Cable Length (Including Connector)</b>	460mm (18.1in) (+) / 340mm (13.4in) (-) or customized length*
<b>Connector</b>	T4 series or H4 UTX or MC4-EVO2
<b>Per Pallet</b>	31 pieces
<b>Per Container (40' HQ)</b>	527 pieces

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

## ELECTRICAL DATA | NMOT\*

	580MS	585MS	590MS	595MS	600MS	605MS
<b>Nominal Max. Power (Pmax)</b>	433W	437W	441W	445W	448W	452W
<b>Opt. Operating Voltage (Vmp)</b>	31.9 V	32.0 V	32.2 V	32.4 V	32.6 V	32.8 V
<b>Opt. Operating Current (Imp)</b>	13.60A	13.66A	13.70A	13.74A	13.76A	13.79A
<b>Open Circuit Voltage (Voc)</b>	38.2 V	38.4 V	38.6 V	38.7 V	38.9 V	39.1 V
<b>Short Circuit Current (Isc)</b>	14.74A	14.77A	14.82A	14.87A	14.90A	14.94A

\* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 45°C, wind speed 1 m/s.

## TEMPERATURE CHARACTERISTICS

Specification	Data
<b>Temperature Coefficient (Pmax)</b>	-0.34 % / °C
<b>Temperature Coefficient (Voc)</b>	-0.26 % / °C
<b>Temperature Coefficient (Isc)</b>	0.05 % / °C
<b>Nominal Module Operating Temperature</b>	42 ± 3°C

\* 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. CSI Solar Co., Ltd. reserves the right to make necessary adjustment 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.



Address:  
Unit 2301, Bayfield Building, 99 Hennessy Rd,  
Wanchai, Hong Kong

Tel: +852 5803 4267  
Email: [info@joginternational.com](mailto:info@joginternational.com)  
Website: [www.joginternational.com](http://www.joginternational.com)