NEW

CanadianSolar

HiKu7 Mono PERC

575 W ~ 605 W

CS7L-575|580|585|590|595|600|605MS (IEC1000 V)

CS7L-575|580|585|590|595|600|605MS (IEC1500 V)

MORE POWER

- 605 W — Module power up to 605 W
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

MORE RELIABLE

- 40 °C lower hot spot temperature, greatly reduce module failure rate
- Minimizes micro-crack impacts
- Heavy snow load up to 5400 Pa, wind load up to 2400 Pa*

25 Years **Linear Power Performance Warranty***

12 Years Enhanced Product Warranty on Materials and Workmanship*

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.

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

Canadian Solar recycles panels at the end of life cycle

* 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 52 GW deployed around the world since 2001.

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

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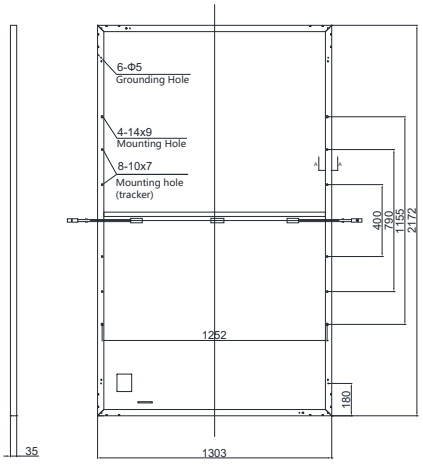
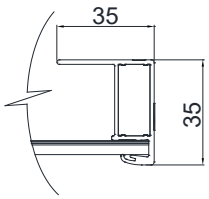
ENGINEERING DRAWING (mm)

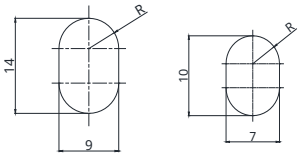
Rear View



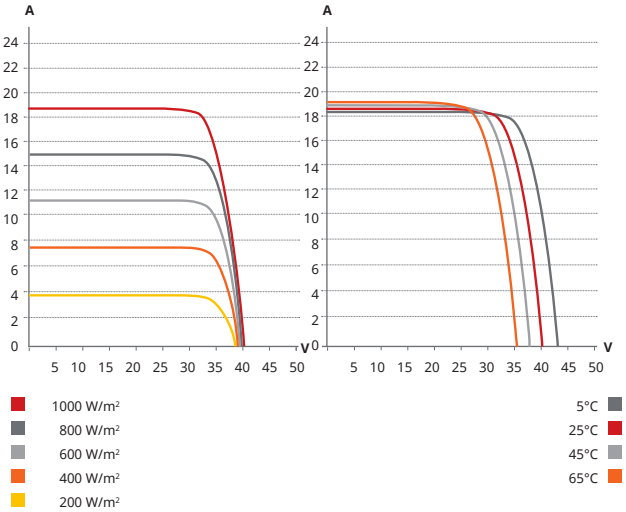
Frame Cross Section A-A



Mounting Hole



CS7L-590MS / I-V CURVES



ELECTRICAL DATA | STC*

CS7L	575MS	580MS	585MS	590MS	595MS	600MS	605MS
Nominal Max. Power (Pmax)	575 W	580 W	585 W	590 W	595 W	600 W	605 W
Opt. Operating Voltage (Vmp)	33.9 V	34.1 V	34.3 V	34.5 V	34.7 V	34.9 V	35.1 V
Opt. Operating Current (Imp)	16.97 A	17.02 A	17.06 A	17.11 A	17.15 A	17.20 A	17.25 A
Open Circuit Voltage (Voc)	40.3 V	40.5 V	40.7 V	40.9 V	41.1 V	41.3 V	41.5 V
Short Circuit Current (Isc)	18.22 A	18.27 A	18.32 A	18.37 A	18.42 A	18.47 A	18.52 A
Module Efficiency	20.3%	20.5%	20.7%	20.8%	21.0%	21.2%	21.4%
Operating Temperature	-40°C ~ +85°C						
Max. System Voltage	1500V (IEC) or 1000V (IEC)						
Module Fire Performance	CLASS C (IEC 61730)						
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. Measurement uncertainty: ±3 % (Pmax).

ELECTRICAL DATA | NMOT*

CS7L	575MS	580MS	585MS	590MS	595MS	600MS	605MS
Nominal Max. Power (Pmax)	431 W	435 W	439 W	442 W	446 W	450 W	454 W
Opt. Operating Voltage (Vmp)	31.8 V	32.0 V	32.2 V	32.3 V	32.5 V	32.7 V	32.9 V
Opt. Operating Current (Imp)	13.56 A	13.60 A	13.64 A	13.70 A	13.73 A	13.77 A	13.80 A
Open Circuit Voltage (Voc)	38.1 V	38.3 V	38.5 V	38.7 V	38.8 V	39.0 V	39.2 V
Short Circuit Current (Isc)	14.68 A	14.73 A	14.77 A	14.80 A	14.85 A	14.88 A	14.93 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.

MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
Cell Arrangement	120 [2 x (10 x 6)]
Dimensions	2172 × 1303 × 35 mm (85.5 × 51.3 × 1.38 in)
Weight	31.4 kg (69.2 lbs)
Front Cover	3.2 mm tempered glass
Frame	Anodized aluminium alloy, crossbar enhanced
J-Box	IP68, 3 bypass diodes
Cable	4 mm² (IEC)
Cable Length (Including Connector)	460 mm (18.1 in) (+) / 340 mm (13.4 in) (-) or customized length*
Connector	PV-KST4/xy-UR, PV-KBT4/xy-UR (IEC 1000 V) or T4-PC-1 (IEC 1500 V) or PV-KST4-EVO2/XY, PV-KBT4-EVO2/XY (IEC 1500 V) or UTXCFA4AM, UTXCMA4AM (IEC 1500 V)
Per Pallet	31 pieces
Per Container (40' HQ)	527 pieces

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

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.34 % / °C
Temperature Coefficient (Voc)	-0.26 % / °C
Temperature Coefficient (Isc)	0.05 % / °C
Nominal Module Operating Temperature	41 ± 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. 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.

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* Manufactured and assembled in China, Thailand and Vietnam.