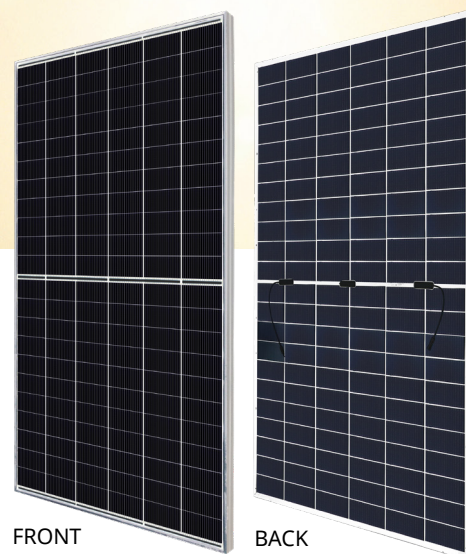


TOPBiHiKu7

N-type Bifacial TOPCon Technology

695 W ~ 730 W

CS7N-695 | 700 | 705 | 710 | 715 | 720 | 725 | 730TB-AG



FRONT

BACK

MORE POWER



Module power up to 730 W
Module efficiency up to 23.5 %



Up to 85% Power Bifaciality,
more power from the back side



Excellent anti-LeTID & anti-PID performance.
Low power degradation, high energy yield



Lower temperature coefficient (Pmax): -0.29%/°C,
increases energy yield in hot climate



Lower LCOE & system cost

MORE RELIABLE



Tested up to ice ball of 35 mm diameter
according to IEC 61215 standard



Minimizes micro-crack impacts



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



**Enhanced Product Warranty on Materials
and Workmanship***



Linear Power Performance Warranty*

**1st year power degradation no more than 1%
Subsequent annual power degradation no more than 0.4%**

*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
IEC 62941: 2019 / Photovoltaic module manufacturing quality system

PRODUCT CERTIFICATES*

IEC 61215 / IEC 61730 / CE / MCS / UKCA / CGC
CEC listed (US California) / FSEC (US Florida)
UL 61730 / IEC 61701 / IEC 62716
UNI 9177 Reaction to Fire: Class 1 / Take-e-way

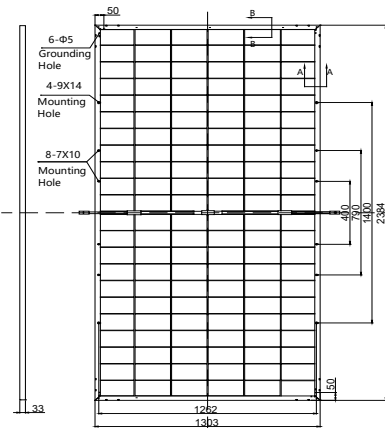


* The specific certificates applicable to different module types and markets will vary,
and therefore not all of the certifications listed herein will simultaneously apply to the
products you order or use. Please contact your local Canadian Solar sales representative
to confirm the specific certificates 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 photovoltaic modules, solar energy and battery storage solutions to customers. The company was recognized as the No. 1 module supplier for quality and performance/price ratio in the IHS Module Customer Insight Survey. Over the past 23 years, it has successfully delivered over 150 GW of premium-quality solar modules across the world.

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

Rear View



		Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Operating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)	Module Efficiency
CS7N-695TB-AG		695 W	39.8 V	17.47 A	47.7 V	18.44 A	22.4%
Bifacial Gain**	5%	730 W	39.8 V	18.34 A	47.7 V	19.36 A	23.5%
	10%	765 W	39.8 V	19.22 A	47.7 V	20.28 A	24.6%
	20%	834 W	39.8 V	20.96 A	47.7 V	22.13 A	26.8%
CS7N-700TB-AG		700 W	40.0 V	17.51 A	47.9 V	18.49 A	22.5%
Bifacial Gain**	5%	735 W	40.0 V	18.39 A	47.9 V	19.41 A	23.7%
	10%	770 W	40.0 V	19.26 A	47.9 V	20.34 A	24.8%
	20%	840 W	40.0 V	21.01 A	47.9 V	22.19 A	27.0%
CS7N-705TB-AG		705 W	40.2 V	17.55 A	48.1 V	18.54 A	22.7%
Bifacial Gain**	5%	740 W	40.2 V	18.43 A	48.1 V	19.47 A	23.8%
	10%	776 W	40.2 V	19.31 A	48.1 V	20.39 A	25.0%
	20%	846 W	40.2 V	21.06 A	48.1 V	22.25 A	27.2%
CS7N-710TB-AG		710 W	40.4 V	17.59 A	48.3 V	18.59 A	22.9%
Bifacial Gain**	5%	746 W	40.4 V	18.47 A	48.3 V	19.52 A	24.0%
	10%	781 W	40.4 V	19.35 A	48.3 V	20.45 A	25.1%
	20%	852 W	40.4 V	21.11 A	48.3 V	22.31 A	27.4%
CS7N-715TB-AG		715 W	40.6 V	17.63 A	48.5 V	18.64 A	23.0%
Bifacial Gain**	5%	751 W	40.6 V	18.51 A	48.5 V	19.57 A	24.2%
	10%	787 W	40.6 V	19.39 A	48.5 V	20.50 A	25.3%
	20%	858 W	40.6 V	21.16 A	48.5 V	22.37 A	27.6%
CS7N-720TB-AG		720 W	40.8 V	17.67 A	48.7 V	18.69 A	23.2%
Bifacial Gain**	5%	756 W	40.8 V	18.55 A	48.7 V	19.62 A	24.3%
	10%	792 W	40.8 V	19.44 A	48.7 V	20.56 A	25.5%
	20%	864 W	40.8 V	21.20 A	48.7 V	22.43 A	27.8%
CS7N-725TB-AG		725 W	41.0 V	17.71 A	48.9 V	18.74 A	23.3%
Bifacial Gain**	5%	761 W	41.0 V	18.60 A	48.9 V	19.68 A	24.5%
	10%	798 W	41.0 V	19.48 A	48.9 V	20.61 A	25.7%
	20%	870 W	41.0 V	21.25 A	48.9 V	22.49 A	28.0%
CS7N-730TB-AG		730 W	41.2 V	17.75 A	49.1 V	18.79 A	23.5%
Bifacial Gain**	5%	767 W	41.2 V	18.64 A	49.1 V	19.73 A	24.7%
	10%	803 W	41.2 V	19.53 A	49.1 V	20.67 A	25.9%
	20%	876 W	41.2 V	21.30 A	49.1 V	22.55 A	28.2%

**** Bifacial Gain:** The additional gain from the back side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

Operating Temperature	-40°C ~ +85°C
Max. System Voltage	1500 V (IEC/UL)
Module Fire Performance	TYPE 29 (UL 61730) or CLASS C (IEC61730)
Max. Series Fuse Rating	35 A
Protection Class	Class II
Power Tolerance	0 ~ + 10 W
Power Bifaciality*	80 %

* 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.

Figure 1 consists of two graphs, A and B, showing the dependence of the temperature of the surface of the solar collector (T_c) on the temperature of the heat transfer fluid (T_f).

Graph A: Shows the dependence of T_c on T_f for different solar radiation intensities (G) and ambient temperatures (t_{amb}). The y-axis represents T_c (°C) from 0 to 24. The x-axis represents T_f (°C) from 5 to 55. Five curves are shown for G values of 1000, 800, 600, 400, and 200 W/m^2 . The curves show that T_c increases with T_f and decreases with increasing G . The curves for higher G values are shifted to the right, indicating higher T_c values for a given T_f .

Graph B: Shows the dependence of T_c on T_f for different solar radiation intensities (G) and ambient temperatures (t_{amb}). The y-axis represents T_c (°C) from 0 to 24. The x-axis represents T_f (°C) from 5 to 55. Five curves are shown for G values of 1000, 800, 600, 400, and 200 W/m^2 . The curves show that T_c increases with T_f and decreases with increasing G . The curves for higher G values are shifted to the right, indicating higher T_c values for a given T_f .

Legend:

- 1000 W/m^2 (Red)
- 800 W/m^2 (Dark Grey)
- 600 W/m^2 (Light Grey)
- 400 W/m^2 (Orange)
- 200 W/m^2 (Yellow)

Temperature Labels:

- 5°C
- 25°C
- 45°C
- 65°C

	Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Oper- ating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)
CS7N-695TB-AG	526 W	37.6 V	13.97 A	45.2 V	14.87 A
CS7N-700TB-AG	529 W	37.8 V	14.00 A	45.4 V	14.91 A
CS7N-705TB-AG	533 W	38.0 V	14.03 A	45.5 V	14.95 A
CS7N-710TB-AG	537 W	38.2 V	14.06 A	45.7 V	14.99 A
CS7N-715TB-AG	541 W	38.4 V	14.09 A	45.9 V	15.03 A
CS7N-720TB-AG	544 W	38.6 V	14.12 A	46.1 V	15.07 A
CS7N-725TB-AG	548 W	38.8 V	14.15 A	46.3 V	15.11 A
CS7N-730TB-AG	552 W	38.9 V	14.18 A	46.5 V	15.15 A

MECHANICAL DATA

Specification	Data
Cell Type	TOPCon cells
Cell Arrangement	132 [2 x (11 x 6)]
Dimensions	2384 × 1303 × 33 mm (93.9 × 51.3 × 1.30 in)
Weight	37.8 kg (83.3 lbs)
Front Glass	2.0 mm heat strengthened glass with anti-reflective coating
Back Glass	2.0 mm heat strengthened glass
Frame	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4.0 mm² (IEC), 12 AWG (UL)
Cable Length (Including Connector)	360 mm (14.2 in) (+) / 200 mm (7.9 in) (-) or customized length*
Connector	T6 or MC4-EVO2A
Per Pallet	33 pieces
Per Container (40' HQ)	594 pieces or 495 pieces (only for US & Canada)

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.29 % / °C
Temperature Coefficient (Voc)	-0.25 % / °C
Temperature Coefficient (Isc)	0.05 % / °C
Nominal Module Operating Temperature	41 ± 3°C

PARTNER SECTION

