

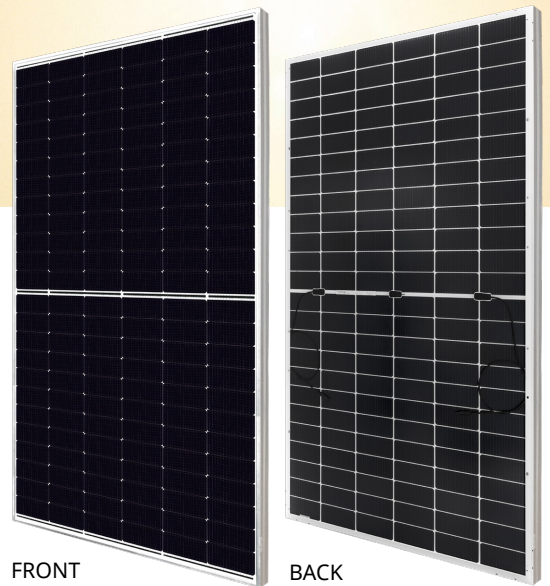


TOPBiHiKu6

N-type Bifacial TOPCon Technology

555 W ~ 580 W

CS6W-555 | 560 | 565 | 570 | 575 | 580TB-AG



MORE POWER



Module power up to 580 W
Module efficiency up to 22.5 %



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



Minimizes micro-crack impacts



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

12
Years

Enhanced Product Warranty on Materials
and Workmanship*

30
Years

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 / INMETRO / MCS / UKCA / CGC
UL 61730 / IEC 61701 / IEC 62716 / IEC 60068-2-68
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.

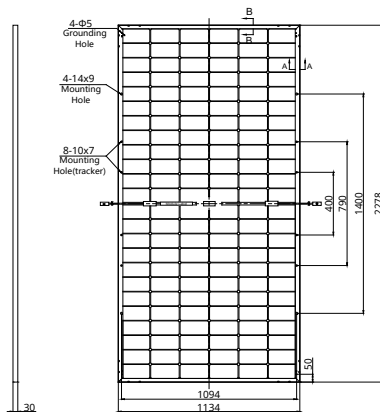
CSI Solar Co., Ltd. is committed to providing high quality solar photovoltaic modules, solar energy and battery storage solutions to customers. The company was recognized as the No. 1 module supplier for quality and performance/price ratio in the IHS Module Customer Insight Survey. Over the past 22 years, it has successfully delivered around 100 GW of premium-quality solar modules across the world.

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

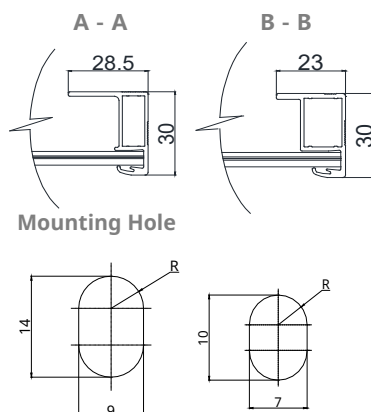
CSI Solar Co., Ltd.

199 Lushan Road, SND, Suzhou, Jiangsu, China, 215129, www.csisolar.com, support@csisolar.com

Rear View



Frame Cross Section



A

Graph A shows the photocatalytic activity (Y-axis, 0 to 14) versus irradiance (X-axis, 0 to 60 W/m²) for four temperatures: 5°C (red), 25°C (dark grey), 45°C (light grey), and 65°C (orange). The activity is constant at a plateau for each temperature and then drops sharply as irradiance increases. The plateau height decreases with increasing temperature.

B

Graph B shows the photocatalytic activity (Y-axis, 0 to 14) versus temperature (X-axis, 0 to 60 °C) for five irradiance levels: 1000 W/m² (red), 800 W/m² (dark grey), 600 W/m² (light grey), 400 W/m² (orange), and 200 W/m² (yellow). The activity is constant at a plateau for each irradiance level and then drops sharply as temperature increases. The plateau height decreases with increasing irradiance.

Legend for Graph A:

- 1000 W/m² (Red)
- 800 W/m² (Dark Grey)
- 600 W/m² (Light Grey)
- 400 W/m² (Orange)
- 200 W/m² (Yellow)

Legend for Graph B:

- 5°C (Red)
- 25°C (Dark Grey)
- 45°C (Light Grey)
- 65°C (Orange)

		Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Operating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)	Module Efficiency
CS6W-555TB-AG		555 W	42.1 V	13.19 A	51.2 V	13.64 A	21.5%
Bifacial Gain**	5%	583 W	42.1 V	13.85 A	51.2 V	14.32 A	22.6%
	10%	611 W	42.1 V	14.51 A	51.2 V	15.00 A	23.7%
	20%	666 W	42.1 V	15.83 A	51.2 V	16.37 A	25.8%
CS6W-560TB-AG		560 W	42.3 V	13.24 A	51.4 V	13.69 A	21.7%
Bifacial Gain**	5%	588 W	42.3 V	13.90 A	51.4 V	14.37 A	22.8%
	10%	616 W	42.3 V	14.56 A	51.4 V	15.06 A	23.8%
	20%	672 W	42.3 V	15.89 A	51.4 V	16.43 A	26.0%
CS6W-565TB-AG		565 W	42.5 V	13.30 A	51.6 V	13.75 A	21.9%
Bifacial Gain**	5%	593 W	42.5 V	13.97 A	51.6 V	14.44 A	23.0%
	10%	622 W	42.5 V	14.63 A	51.6 V	15.13 A	24.1%
	20%	678 W	42.5 V	15.96 A	51.6 V	16.50 A	26.2%
CS6W-570TB-AG		570 W	42.7 V	13.35 A	51.8 V	13.81 A	22.1%
Bifacial Gain**	5%	599 W	42.7 V	14.02 A	51.8 V	14.50 A	23.2%
	10%	627 W	42.7 V	14.69 A	51.8 V	15.19 A	24.3%
	20%	684 W	42.7 V	16.02 A	51.8 V	16.57 A	26.5%
CS6W-575TB-AG		575 W	42.9 V	13.41 A	52.0 V	13.88 A	22.3%
Bifacial Gain**	5%	604 W	42.9 V	14.08 A	52.0 V	14.57 A	23.4%
	10%	633 W	42.9 V	14.75 A	52.0 V	15.27 A	24.5%
	20%	690 W	42.9 V	16.09 A	52.0 V	16.66 A	26.7%
CS6W-580TB-AG		580 W	43.1 V	13.46 A	52.2 V	13.93 A	22.5%
Bifacial Gain**	5%	609 W	43.1 V	14.13 A	52.2 V	14.63 A	23.6%
	10%	638 W	43.1 V	14.81 A	52.2 V	15.32 A	24.7%
	20%	696 W	43.1 V	16.15 A	52.2 V	16.72 A	26.9%

**** 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) or 1000 V (IEC/UL)
Module Fire Performance	TYPE 29 (UL 61730) or CLASS C (IEC61730)
Max. Series Fuse Rating	30 A
Application Classification	Class A
Power Tolerance	0 ~ + 10 W
Power Bifaciality*	80 %

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.

	Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Operating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)
CS6W-555TB-AG	420 W	39.8 V	10.55 A	48.5 V	11.00 A
CS6W-560TB-AG	424 W	40.0 V	10.59 A	48.7 V	11.04 A
CS6W-565TB-AG	427 W	40.2 V	10.64 A	48.9 V	11.09 A
CS6W-570TB-AG	431 W	40.4 V	10.68 A	49.0 V	11.14 A
CS6W-575TB-AG	435 W	40.6 V	10.72 A	49.2 V	11.19 A
CS6W-580TB-AG	439 W	40.7 V	10.77 A	49.4 V	11.23 A

Specification	Data
Cell Type	TOPCon cells
Cell Arrangement	144 [2 x (12 x 6)]
Dimensions	2278 x 1134 x 30 mm (89.7 x 44.6 x 1.18 in)
Weight	32.3 kg (71.2 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 mm ² (IEC), 12 AWG (UL)
Cable Length (Including Connector)	350 mm (13.8 in) (+) / 250 mm (9.8 in) (-) or customized length*
Connector	T6 or MC4-EVO2 or MC4-EVO2A
Per Pallet	35 pieces

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