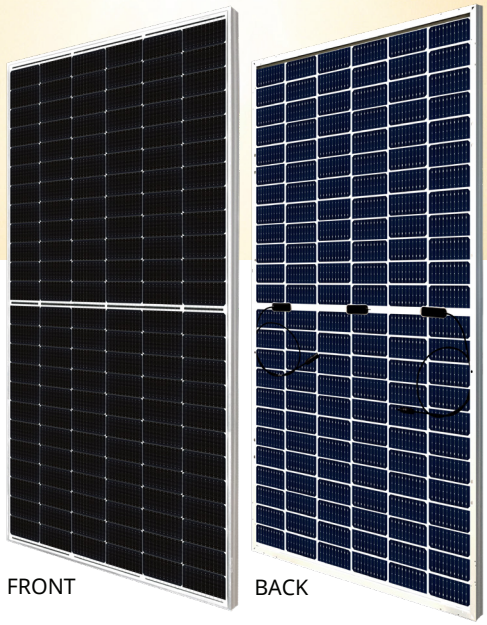
BiHiKu6

530 W ~ 555 W

BIFACIAL MONO PERC

CS6W-530|535|540|545|550|555MB-AG (IEC1000 V)

CS6W-530|535|540|545|550|555MB-AG (IEC1500 V)



MORE POWER

555 W — Module power up to 555 W
Module efficiency up to 21.5 %

Up to 12.3 % lower LCOE
Up to 5.2 % 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

Minimizes micro-crack impacts

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

30 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 0.45%

*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
IEC62941: 2019 / Photovoltaic module manufacturing quality system

PRODUCT CERTIFICATES*

IEC 61215 / IEC 61730 / CE / INMETRO / MCS / UKCA
CEC listed (US California) / FSEC (US Florida)
UL 61730 / IEC 61701 / IEC 62716 / IEC 63126 Level1 / 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.

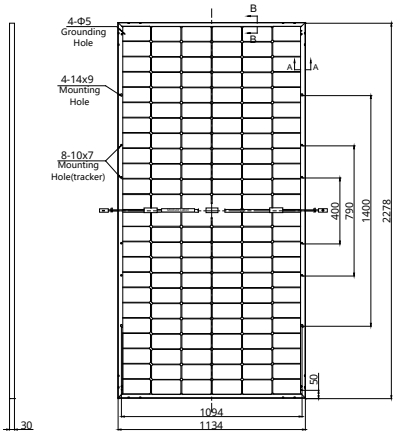
CSI Solar Co., Ltd. is committed to providing high quality solar photovoltaic modules, solar energy and battery storage solutions to customers. The company was recognized as the No. 1 module supplier for quality and performance/price ratio in the IHS Module Customer Insight Survey. Over the past 22 years, it has successfully delivered over 110 GW of premium-quality solar modules across the world.

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

Canadian Solar MSS (Australia) Pty Ltd.
333 Drummond Street, Carlton VIC 3053, Australia, sales.au@csisolar.com, www.csisolar.com/au

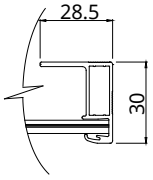
ENGINEERING DRAWING (mm)

Rear View

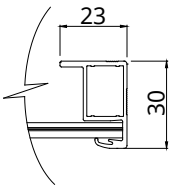


Frame Cross Section

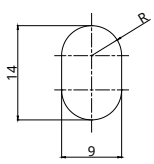
A - A

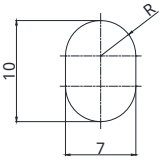


B - B

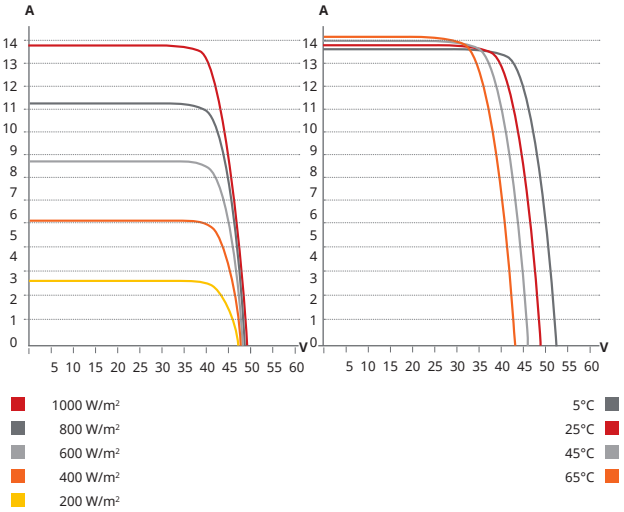


Mounting Hole





CS6W-530MB-AG / I-V CURVES



ELECTRICAL DATA (STC & NMOT & BNPI) | CS6W-xxxMB-AG (xxx=530-555)

Testing Conditions	STC	NMOT	BNPI	STC	NMOT	BNPI	STC	NMOT	BNPI	STC	NMOT	BNPI	STC	NMOT	BNPI	STC	NMOT	BNPI
Nominal Max. Power - Pmax (Wp)	530	397	580	535	401	586	540	405	591	545	409	597	550	412	602	555	416	607
Opt. Operating Voltage - Vmp (V)	40.9	38.3	#	41.1	38.5	#	41.3	38.7	#	41.5	38.9	#	41.7	39.1	#	41.9	39.3	#
Opt. Operating Current -Imp (A)	12.96	10.38	#	13.02	10.42	#	13.08	10.47	#	13.14	10.52	#	13.20	10.55	#	13.3	10.60	#
Open Circuit Voltage - Voc (V)	48.8	46.1	49.1	49.0	46.3	49.3	49.2	46.5	49.5	49.4	46.7	49.7	49.6	46.9	49.9	49.8	47.1	50.1
Short Circuit Current - Isc (A)	13.80	11.13	15.10	13.85	11.17	15.16	13.90	11.21	15.21	13.95	11.25	15.27	14.00	11.29	15.32	14.05	11.33	15.38
Module Efficiency (%)		20.5			20.7			20.9			21.1			21.3			21.5	

* STC: Irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C. NMOT: Irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s. Measurement uncertainty: ±3 % (Pmax).

**BNPI: Irradiance of front 1000W/m², rear 135W/m².

Electrical characteristics with different power bin (reference to 5% & 10% backside power gain)

Backside Power Gain	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
Total Equivalent Power - Pmax (Wp)	557	583	562	589	567	594	572	600	578	605	583	611
Opt. Operating Voltage - Vmp (V)	40.9	40.9	41.1	41.1	41.3	41.3	41.5	41.5	41.7	41.7	41.9	41.9
Opt. Operating Current -Imp (A)	13.62	14.26	13.68	14.34	13.73	14.39	13.80	14.46	13.87	14.52	13.91	14.58
Open Circuit Voltage - Voc (V)	48.8	48.8	49.0	49.0	49.2	49.2	49.4	49.4	49.6	49.6	49.8	49.8
Short Circuit Current - Isc (A)	14.49	15.18	14.54	15.24	14.60	15.29	14.65	15.35	14.70	15.40	14.75	15.46
Module Efficiency (%)	21.7	22.7	21.9	22.9	22.1	23.1	22.3	23.3	22.5	23.5	22.6	23.7

***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.

MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
Cell Arrangement	144 [2 x (12 x 6)]
Dimensions	2278 × 1134 × 30 mm (89.7 × 44.6 × 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 mm² (IEC), 12 AWG (UL)
Cable Length (Including Connector)	300 mm (11.8 in) (+) / 200 mm (7.9 in) (-) or customized length*
Connector	Tlian: T6; Stäubli: PV-KST4/xy-UR, PV-KBT4/xy-UR (IEC 1000 V) or PV-KST4-EVO2/XY, PV-KBT4-EVO2/XY or PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy
Per Pallet	35 pieces
Per Container (40' HQ)	700 pieces

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

ELECTRICAL DATA

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
Protection Class	Class II
Power Tolerance	0 ~ + 10 W
Power Bifaciality*	70 %

* Power Bifaciality = $Pmax_{rear}$ / $Pmax_{front}$, both $Pmax_{rear}$ and $Pmax_{front}$ are tested under STC. Bifaciality coefficient(±5%): φVoc=99%, φIsc=70%, φPmax=70%.

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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333 Drummond Street, Carlton VIC 3053, Australia, sales.au@csisolar.com, www.csisolar.com/au

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* Manufactured and assembled in China and Thailand.