

HiKu6 (All-Black)

ALL BLACK MONO PERC

380 W ~ 405 W

CS6R-380 | 385 | 390 | 395 | 400 | 405MS

MORE POWER



Module power up to 405 W
Module efficiency up to 20.7 %



Lower LCOE & system cost



Comprehensive LID / LeTID mitigation technology, up to 50% lower degradation



Better shading tolerance

MORE RELIABLE



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 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
IEC62941 : 2019 / Photovoltaic module manufacturing quality system

PRODUCT CERTIFICATES*

IEC 61215 / IEC 61730 / CE / MCS / UKCA
UL 61730 / IEC 61701 / IEC 62716 / IEC 63126 Level1 / IEC 60068-2-68
UNI 9177 Reaction to Fire: Class 1 / Take-e-way



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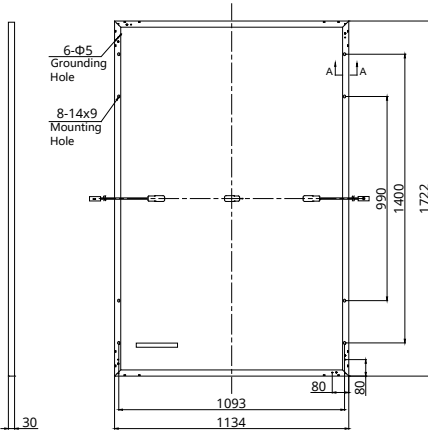
* For detailed information, please refer to the Installation Manual.

CSI Solar Co., Ltd.

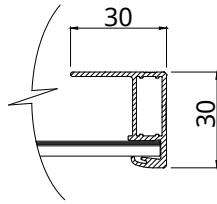
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ENGINEERING DRAWING (mm)

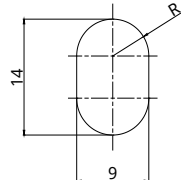
Rear View



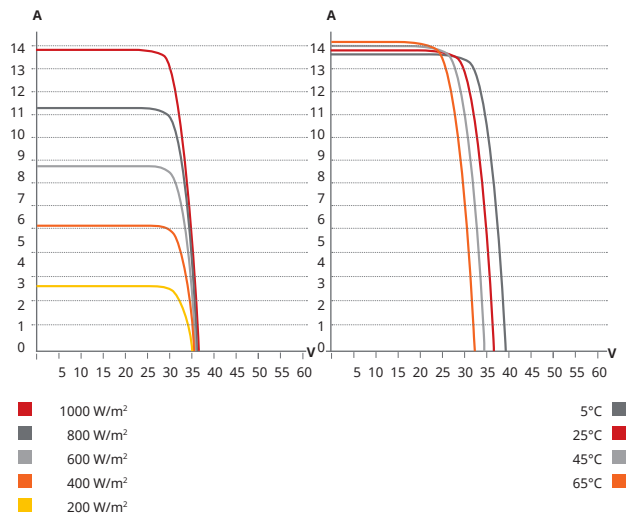
Frame Cross Section A-A



Mounting Hole



CS6R-400MS / I-V CURVES



ELECTRICAL DATA | STC*

CS6R	380MS	385MS	390MS	395MS	400MS	405MS
Nominal Max. Power (Pmax)	380 W	385 W	390 W	395 W	400 W	405 W
Opt. Operating Voltage (Vmp)	30.0 V	30.2 V	30.4 V	30.6 V	30.8 V	31.0 V
Opt. Operating Current (Imp)	12.69 A	12.77 A	12.84 A	12.91 A	12.99 A	13.07 A
Open Circuit Voltage (Voc)	36.0 V	36.2 V	36.4 V	36.6 V	36.8 V	37.0 V
Short Circuit Current (Isc)	13.55 A	13.63 A	13.70 A	13.77 A	13.85 A	13.93 A
Module Efficiency	19.5%	19.7%	20.0%	20.2%	20.5%	20.7%
Operating Temperature	-40°C ~ +85°C					
Max. System Voltage	1500V (IEC/UL) or 1000V (IEC/UL)					
Module Fire Performance	TYPE 1 (UL 61730 1500V) or TYPE 2 (UL 61730 1000V) or CLASS C (IEC 61730)					
Max. Series Fuse Rating	25 A					
Application Classification	Class A					
Power Tolerance	0 ~ + 10 W					

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
Cell Arrangement	108 [2 X (9 X 6)]
Dimensions	1722 × 1134 × 30 mm (67.8 × 44.6 × 1.18 in)
Weight	21.3 kg (47.0 lbs)
Front Cover	3.2 mm tempered glass with anti-reflective coating
Frame	Anodized aluminium alloy,
J-Box	IP68, 3 bypass diodes
Cable	4 mm² (IEC), 12 AWG (UL)
Connector	T6 or MC4 or MC4-EVO2 or MC4-EVO2A
Cable Length (Including Connector)	Portrait: 350 mm (16.1 in) (+) / 250 mm (11.4 in) (-); landscape: 1100 mm (43.3 in)*
Per Pallet	35 pieces
Per Container (40' HQ)	910 pieces

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

ELECTRICAL DATA | NMOT*

CS6R	380MS	385MS	390MS	395MS	400MS	405MS
Nominal Max. Power (Pmax)	284 W	288 W	291 W	295 W	299 W	303 W
Opt. Operating Voltage (Vmp)	28.1 V	28.3 V	28.4 V	28.6 V	28.8 V	29.0 V
Opt. Operating Current (Imp)	10.12 A	10.19 A	10.26 A	10.33 A	10.39 A	10.45 A
Open Circuit Voltage (Voc)	33.9 V	34.1 V	34.2 V	34.4 V	34.6 V	34.7 V
Short Circuit Current (Isc)	10.91 A	10.98 A	11.05 A	11.11 A	11.17 A	11.23 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.

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	42 ± 3°C

PARTNER SECTION

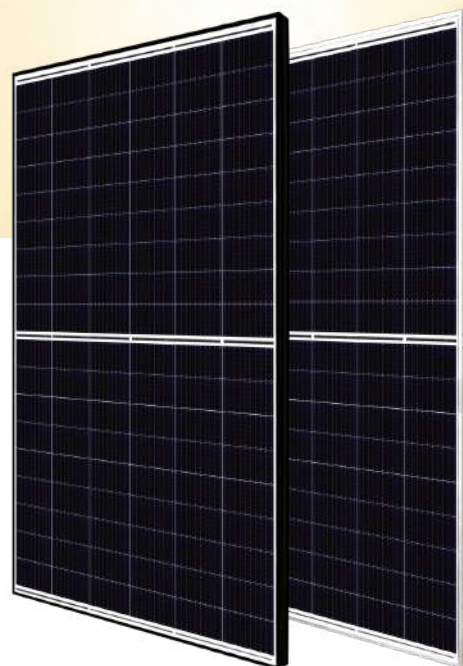


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HiHero

N-type Heterojunction Technology

420 W ~ 445 W

CS6R-420 | 425 | 430 | 435 | 440 | 445H-AG

MORE POWER



Module efficiency up to 22.8%, maximize the use of rooftop space



No B-O LID, excellent anti-LeTID & anti-PID performance. Low power degradation, high energy yield



Leading temperature coefficient (Pmax): -0.26%/°C, increases energy yield in hot climate



Better shading tolerance

MORE RELIABLE



Minimizes micro-crack impacts



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



Industry Leading 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 0.35%**

*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
IEC 61701 / IEC 62716
Take-e-way



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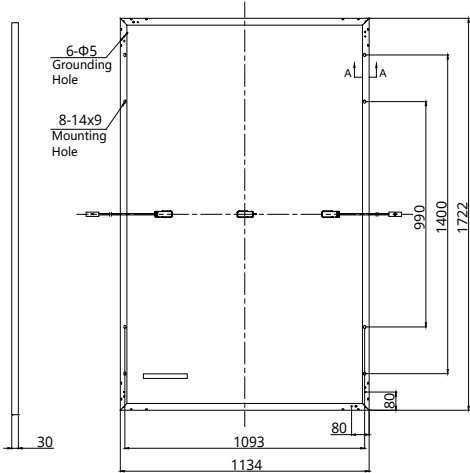
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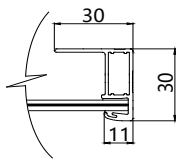
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ENGINEERING DRAWING (mm)

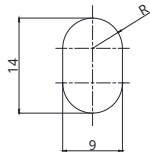
Rear View



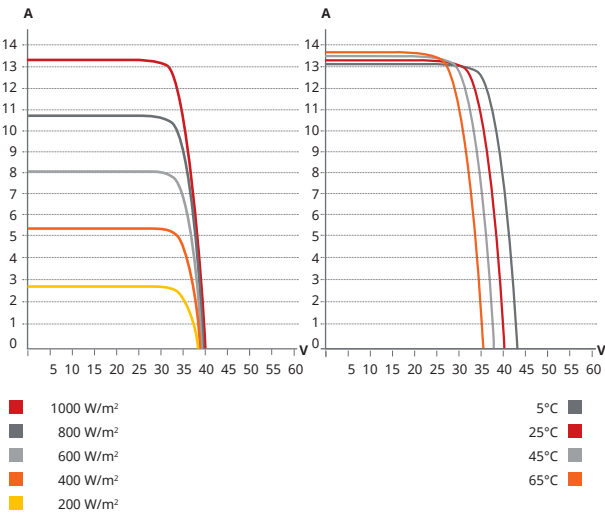
Frame Cross Section A-A



Mounting Hole



CS6R-425H-AG / I-V CURVES



ELECTRICAL DATA | STC*

CS6R	420H-AG	425H-AG	430H-AG	435H-AG	440H-AG	445H-AG
Nominal Max. Power (Pmax)	420 W	425 W	430 W	435 W	440 W	445 W
Opt. Operating Voltage (Vmp)	33.7 V	33.7 V	33.8 V	33.8 V	33.9 V	33.9 V
Opt. Operating Current (Imp)	12.48 A	12.62 A	12.76 A	12.89 A	13.02 A	13.15 A
Open Circuit Voltage (Voc)	40.1 V	40.1 V	40.1 V	40.2 V	40.2 V	40.3 V
Short Circuit Current (Isc)	13.28 A	13.33 A	13.38 A	13.43 A	13.48 A	13.53 A
Module Efficiency	21.5%	21.8%	22.0%	22.3%	22.5%	22.8%
Operating Temperature	-40°C ~ +85°C					
Max. System Voltage	1500V (IEC) or 1000V (IEC)					
Module Fire Performance	CLASS C (IEC61730)					
Max. Series Fuse Rating	25 A					
Application Classification	Class A					
Power Tolerance	0 ~ + 10 W					

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

MECHANICAL DATA

Specification	Data
Cell Type	HJT cells
Cell Arrangement	108 [2 X (9 X 6)]
Dimensions	1722 X 1134 X 30 mm (67.8 X 44.6 X 1.18 in)
Weight	23.0 kg (50.7 lbs)
Front Glass	2.0 mm heat strengthened glass with anti-reflective coating
Back Glass	1.6 mm heat strengthened glass
Frame	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4 mm² (IEC)
Cable Length (Including Connector)	Portrait: 350 mm (13.8 in) (+) / 250 mm (9.8 in) (-); landscape: 1100 mm (43.3 in)*
Connector	T6 or MC4 or MC4-EVO2 or MC4-EVO2A
Per Pallet	35 pieces
Per Container (40' HQ)	910 pieces

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

ELECTRICAL DATA | NMOT*

CS6R	420H-AG	425H-AG	430H-AG	435H-AG	440H-AG	445H-AG
Nominal Max. Power (Pmax)	321 W	325 W	329 W	332 W	336 W	340 W
Opt. Operating Voltage (Vmp)	32.3 V	32.3 V	32.3 V	32.4 V	32.4 V	32.5 V
Opt. Operating Current (Imp)	9.95 A	10.06 A	10.17 A	10.27 A	10.37 A	10.47 A
Open Circuit Voltage (Voc)	38.1 V	38.1 V	38.2 V	38.2 V	38.3 V	38.3 V
Short Circuit Current (Isc)	10.70 A	10.74 A	10.78 A	10.82 A	10.86 A	10.90 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.

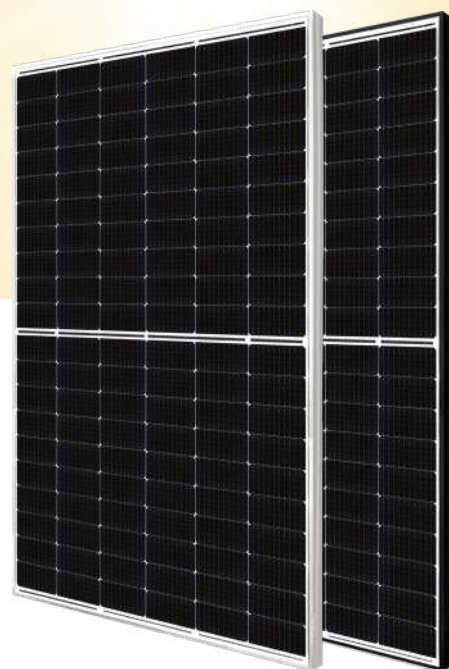
TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.26 % / °C
Temperature Coefficient (Voc)	-0.24 % / °C
Temperature Coefficient (Isc)	0.04 % / °C
Nominal Module Operating Temperature	41 ± 3°C

PARTNER SECTION



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HiKu6 Mono PERC

445 W ~ 465 W

CS6L-445 | 450 | 455 | 460 | 465MS

MORE POWER



Module power up to 465 W
Module efficiency up to 21.5 %



Lower LCOE & system cost



Comprehensive LID / LeTID mitigation technology, up to 50% lower degradation



Better shading tolerance

MORE RELIABLE



Minimizes micro-crack impacts



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

*Black frame product can be provided upon request.



Enhanced Product Warranty on Materials and Workmanship*



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.

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 / MCS / CGC / IEC 63126 Level1 / Take-e-way



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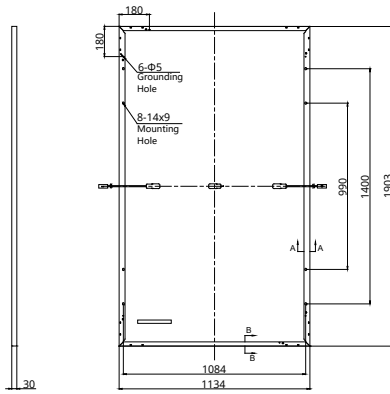
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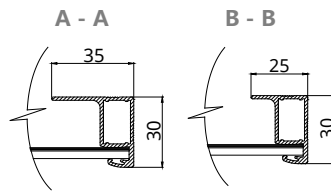
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ENGINEERING DRAWING (mm)

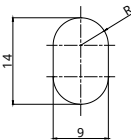
Rear View



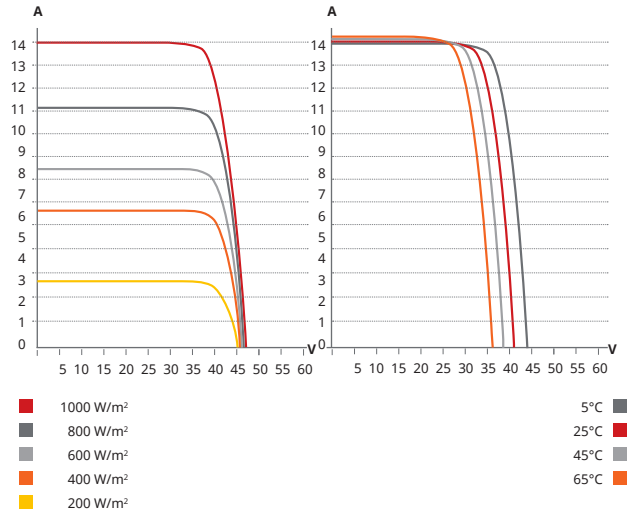
Frame Cross Section



Mounting Hole



CS6L-460MS / I-V CURVES



ELECTRICAL DATA | STC*

CS6L	445MS	450MS	455MS	460MS	465MS
Nominal Max. Power (Pmax)	445 W	450 W	455 W	460 W	465 W
Opt. Operating Voltage (Vmp)	34.2 V	34.4 V	34.6 V	34.8 V	35.0 V
Opt. Operating Current (Imp)	13.03 A	13.10 A	13.17 A	13.24 A	13.30 A
Open Circuit Voltage (Voc)	40.8 V	41.0 V	41.2 V	41.4 V	41.6 V
Short Circuit Current (Isc)	13.86 A	13.9 A	13.95 A	14.00 A	14.09 A
Module Efficiency	20.6%	20.9%	21.1%	21.3%	21.5%
Operating Temperature	-40°C ~ +85°C				
Max. System Voltage	1500V (IEC/UL) or 1000V (IEC/UL)				
Module Fire Performance	TYPE 1 (UL 61730 1500V) or TYPE 2 (UL 61730 1000V) or CLASS C (IEC 61730)				
Max. Series Fuse Rating	25 A				
Application Classification	Class A				
Power Tolerance	0 ~ + 10 W				

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
Cell Arrangement	120 [2 X (10 X 6)]
Dimensions	1903 × 1134 × 30 mm (74.9 × 44.6 × 1.18 in)
Weight	24.2 kg (53.4 lbs)
Front Cover	3.2 mm tempered glass with anti-reflective coating
Frame	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4 mm² (IEC), 12 AWG (UL)
Connector	T6 or MC4 or MC4-EVO2 or MC4-EVO2A
Cable Length (Including Connector)	Portrait: 350 mm (13.8 in) (+) / 250 mm (9.8 in) (-); landscape: 1100 mm (43.3 in)*
Per Pallet	35 pieces
Per Container (40' HQ)	840 pieces

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

ELECTRICAL DATA | NMOT*

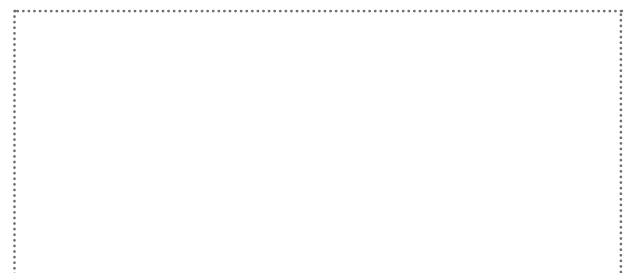
CS6L	445MS	450MS	455MS	460MS	465MS
Nominal Max. Power (Pmax)	334 W	338 W	341 W	345 W	349 W
Opt. Operating Voltage (Vmp)	32.1 V	32.2 V	32.4 V	32.6 V	32.8 V
Opt. Operating Current (Imp)	10.41 A	10.47 A	10.52 A	10.58 A	10.63 A
Open Circuit Voltage (Voc)	38.6 V	38.8 V	38.9 V	39.1 V	39.3 V
Short Circuit Current (Isc)	11.18 A	11.21 A	11.25 A	11.29 A	11.36 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.

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



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HiKu6 Mono PERC



535 W ~ 560 W

CS6W-535 | 540 | 545 | 550 | 555 | 560MS

MORE POWER

-  Module power up to 560 W
Module efficiency up to 21.7 %
-  Up to 4.5 % lower LCOE
Up to 5.6 % 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*

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.

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
UNI 9177 Reaction to Fire: Class 1 / Take-e-way



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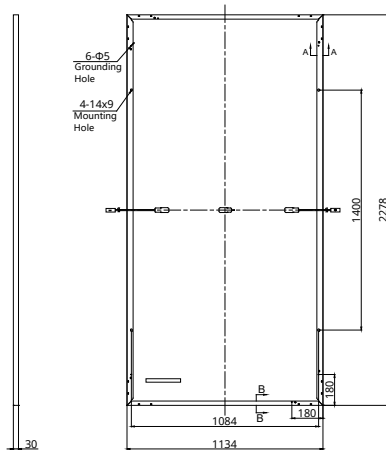
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CSI Solar Co., Ltd.

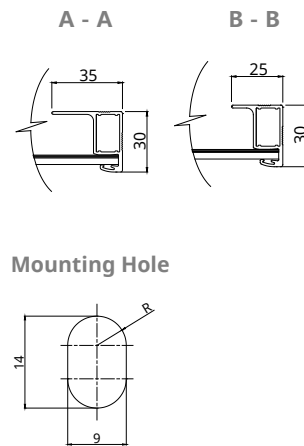
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ENGINEERING DRAWING (mm)

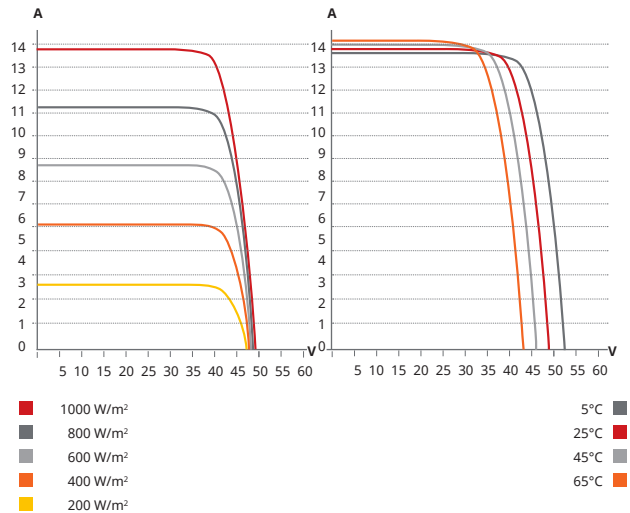
Rear View



Frame Cross Section



CS6W-535MS / I-V CURVES



ELECTRICAL DATA | STC*

CS6W	535MS	540MS	545MS	550MS	555MS	560MS
Nominal Max. Power (Pmax)	535 W	540 W	545 W	550 W	555 W	560 W
Opt. Operating Voltage (Vmp)	41.1 V	41.3 V	41.5 V	41.7 V	41.9 V	42.1 V
Opt. Operating Current (Imp)	13.02 A	13.08 A	13.14 A	13.20 A	13.25 A	13.31 A
Open Circuit Voltage (Voc)	49.0 V	49.2 V	49.4 V	49.6 V	49.8 V	50.0 V
Short Circuit Current (Isc)	13.85 A	13.90 A	13.95 A	14.00 A	14.05 A	14.10 A
Module Efficiency	20.7%	20.9%	21.1%	21.3%	21.5%	21.7%
Operating Temperature	-40°C ~ +85°C					
Max. System Voltage	1500V (IEC/UL) or 1000V (IEC/UL)					
Module Fire Performance	TYPE 1 (UL 61730 1500V) or TYPE 2 (UL 61730 1000V) or CLASS C (IEC 61730)					
Max. Series Fuse Rating	25 A					
Application Classification	Class A					
Power Tolerance	0 ~ + 10 W					

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
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	27.6 kg (60.8 lbs)
Front Cover	3.2 mm tempered glass with anti-reflective coating
Frame	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4 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
Per Container (40' HQ)	700 pieces or 630 pieces (only for US & Canada)

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

ELECTRICAL DATA | NMOT*

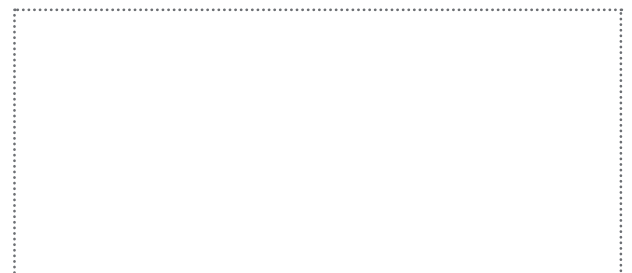
CS6W	535MS	540MS	545MS	550MS	555MS	560MS
Nominal Max. Power (Pmax)	401 W	405 W	409 W	412 W	416 W	420 W
Opt. Operating Voltage (Vmp)	38.5 V	38.7 V	38.9 V	39.1 V	39.3 V	39.5 V
Opt. Operating Current (Imp)	10.42 A	10.47 A	10.52 A	10.55 A	10.59 A	10.64 A
Open Circuit Voltage (Voc)	46.3 V	46.5 V	46.7 V	46.9 V	47.1 V	47.3 V
Short Circuit Current (Isc)	11.17 A	11.21 A	11.25 A	11.29 A	11.33 A	11.37 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.

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



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CSI Solar Co., Ltd.

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







HiKu7 Mono PERC




645 W ~ 675 W

CS7N-645 | 650 | 655 | 660 | 665 | 670 | 675MS

MORE POWER

-  Module power up to 675 W
Module efficiency up to 21.7 %
-  Up to 3.5 % lower LCOE
Up to 5.7 % lower system cost
-  Comprehensive LID / LeTID mitigation technology, up to 50% lower degradation
-  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*

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.

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
UL 61730 / IEC 61701 / IEC 62716 / IEC 63126 Level1 / IEC 60068-2-68
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.

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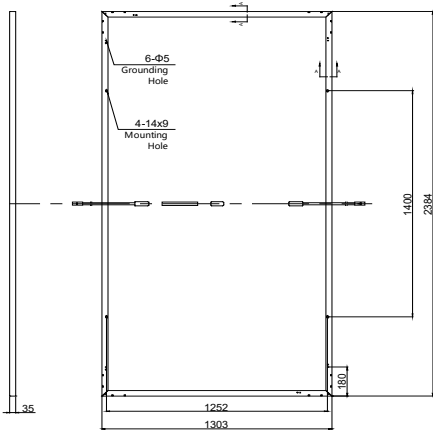
* For detailed information, please refer to the Installation Manual.

CSI Solar Co., Ltd.

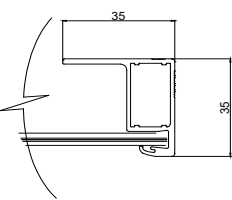
199 Lushan Road, SND, Suzhou, Jiangsu, China, 215129, www.csisolar.com, support@csisolar.com

ENGINEERING DRAWING (mm)

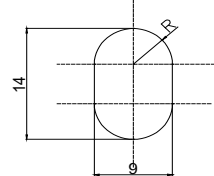
Rear View



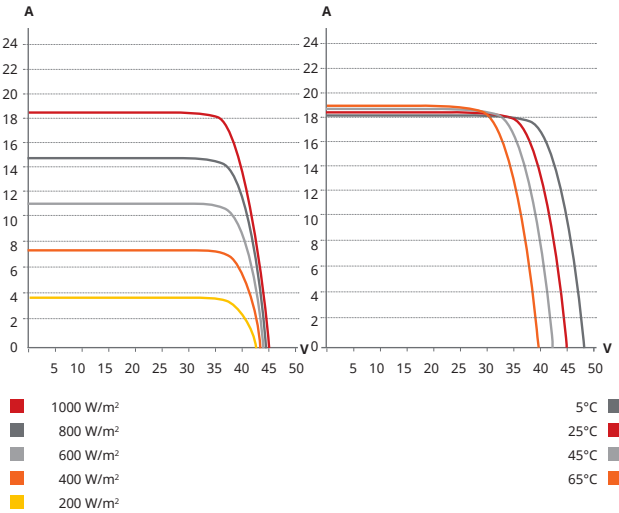
Frame Cross Section A-A



Mounting Hole



CS7N-650MS / I-V CURVES



ELECTRICAL DATA | STC*

CS7N	645MS	650MS	655MS	660MS	665MS	670MS	675MS
Nominal Max. Power (Pmax)	645 W	650 W	655 W	660 W	665 W	670 W	675 W
Opt. Operating Voltage (Vmp)	37.7 V	37.9 V	38.1 V	38.3 V	38.5 V	38.7 V	38.9 V
Opt. Operating Current (Imp)	17.11 A	17.16 A	17.20 A	17.24 A	17.28 A	17.32 A	17.36 A
Open Circuit Voltage (Voc)	44.8 V	45.0 V	45.2 V	45.4 V	45.6 V	45.8 V	46.0 V
Short Circuit Current (Isc)	18.35 A	18.39 A	18.43 A	18.47 A	18.51 A	18.55 A	18.59 A
Module Efficiency	20.8%	20.9%	21.1%	21.2%	21.4%	21.6%	21.7%
Operating Temperature	-40°C ~ +85°C						
Max. System Voltage	1500V (IEC/UL)) or 1000V (IEC/UL))						
Module Fire Performance	TYPE 1 (UL 61730 1500V) or TYPE 2 (UL 61730 1000V) or CLASS C (IEC 61730)						
Max. Series Fuse Rating	30 A						
Application Classification	Class A						
Power Tolerance	0 ~ + 10 W						

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
Cell Arrangement	132 [2 x (11 x 6)]
Dimensions	2384 x 1303 x 35 mm (93.9 x 51.3 x 1.38 in)
Weight	33.9 kg (74.7 lbs)
Front Cover	3.2 mm tempered glass with anti-ref- lective coating
Frame	Anodized aluminium alloy, crossbar enhanced
J-Box	IP68, 3 bypass diodes
Cable	4 mm² (IEC), 12 AWG (UL)
Cable Length (Including Connector)	410 mm (16.1 in) (+) / 250 mm (9.8 in) (-) or customized length*
Connector	T6 or T4 or MC4-EVO2 or MC4-EVO2A
Per Pallet	31 pieces
Per Container (40' HQ)	558 pieces

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

ELECTRICAL DATA | NMOT*

CS7N	645MS	650MS	655MS	660MS	665MS	670MS	675MS
Nominal Max. Power (Pmax)	484 W	487 W	491 W	495 W	499 W	502 W	506 W
Opt. Operating Voltage (Vmp)	35.3 V	35.5 V	35.7 V	35.9 V	36.1 V	36.3 V	36.5 V
Opt. Operating Current (Imp)	13.72 A	13.74 A	13.76 A	13.79 A	13.83 A	13.85 A	13.88 A
Open Circuit Voltage (Voc)	42.3 V	42.5 V	42.7 V	42.9 V	43.1 V	43.3 V	43.5 V
Short Circuit Current (Isc)	14.80 A	14.83 A	14.86 A	14.89 A	14.93 A	14.96 A	14.99 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.

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



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FRONT

BACK






BiHiKu6

530 W ~ 555 W



BIFACIAL MONO PERC

CS6W-530 | 535 | 540 | 545 | 550 | 555MB-AG

MORE POWER

-  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*

**12
Years**

Enhanced Product Warranty on Materials and Workmanship*

**30
Years**

Linear Power Performance Warranty*

**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



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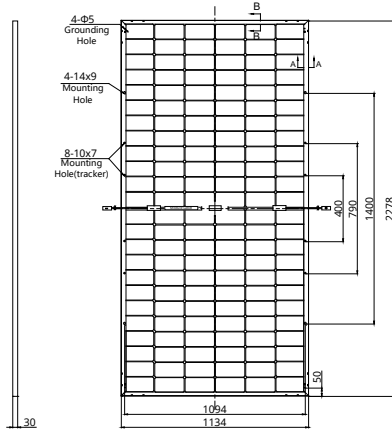
* For detailed information, please refer to the Installation Manual.

CSI Solar Co., Ltd.

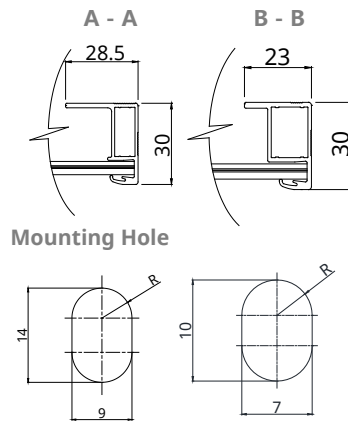
199 Lushan Road, SND, Suzhou, Jiangsu, China, 215129, www.csisolar.com, support@csisolar.com

ENGINEERING DRAWING (mm)

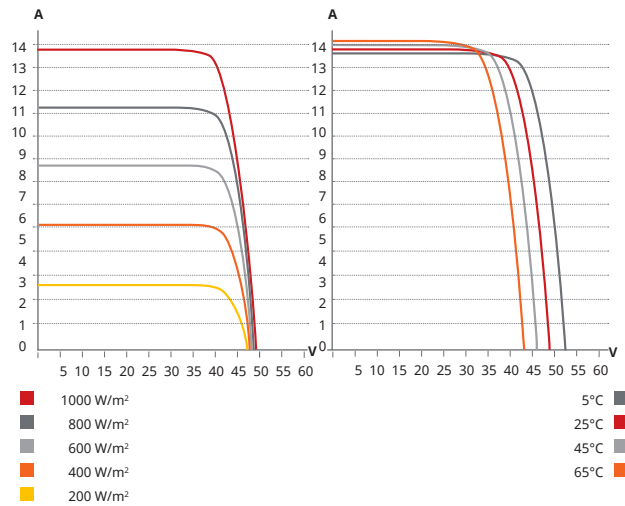
Rear View



Frame Cross Section



CS6W-530MB-AG / I-V CURVES



ELECTRICAL DATA | STC*

	Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Operating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)	Module Efficiency
CS6W-530MB-AG	530 W	40.9 V	12.96 A	48.8 V	13.80 A	20.5%
Bifacial Gain**	5%	557 W	40.9 V	13.62 A	48.8 V	21.5%
	10%	583 W	40.9 V	14.26 A	48.8 V	22.6%
	20%	636 W	40.9 V	15.55 A	48.8 V	24.6%
CS6W-535MB-AG	535 W	41.1 V	13.02 A	49.0 V	13.85 A	20.7%
Bifacial Gain**	5%	562 W	41.1 V	13.68 A	49.0 V	21.8%
	10%	589 W	41.1 V	14.34 A	49.0 V	22.8%
	20%	642 W	41.1 V	15.62 A	49.0 V	24.9%
CS6W-540MB-AG	540 W	41.3 V	13.08 A	49.2 V	13.90 A	20.9%
Bifacial Gain**	5%	567 W	41.3 V	13.73 A	49.2 V	21.9%
	10%	594 W	41.3 V	14.39 A	49.2 V	23.0%
	20%	648 W	41.3 V	15.70 A	49.2 V	25.1%
CS6W-545MB-AG	545 W	41.5 V	13.14 A	49.4 V	13.95 A	21.1%
Bifacial Gain**	5%	572 W	41.5 V	13.80 A	49.4 V	22.2%
	10%	600 W	41.5 V	14.46 A	49.4 V	23.2%
	20%	654 W	41.5 V	15.77 A	49.4 V	25.3%
CS6W-550MB-AG	550 W	41.7 V	13.20 A	49.6 V	14.00 A	21.3%
Bifacial Gain**	5%	578 W	41.7 V	13.87 A	49.6 V	22.4%
	10%	605 W	41.7 V	14.52 A	49.6 V	23.4%
	20%	660 W	41.7 V	15.84 A	49.6 V	25.5%
CS6W-555MB-AG	555 W	41.9 V	13.25 A	49.8 V	14.05 A	21.5%
Bifacial Gain**	5%	583 W	41.9 V	13.91 A	49.8 V	22.6%
	10%	611 W	41.9 V	14.58 A	49.8 V	23.6%
	20%	666 W	41.9 V	15.90 A	49.8 V	25.8%

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

** 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.

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
Application Classification	Class A
Power Tolerance	0 ~ + 10 W
Power Bifaciality*	70 %

* Power Bifaciality = $P_{max, rear} / P_{max, front}$, both $P_{max, rear}$ and $P_{max, front}$ are tested under STC, Bifaciality Tolerance: $\pm 5 \%$

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ELECTRICAL DATA | NMOT*

	Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Operating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)
CS6W-530MB-AG	397 W	38.3 V	10.38 A	46.1 V	11.13 A
CS6W-535MB-AG	401 W	38.5 V	10.42 A	46.3 V	11.17 A
CS6W-540MB-AG	405 W	38.7 V	10.47 A	46.5 V	11.21 A
CS6W-545MB-AG	409 W	38.9 V	10.52 A	46.7 V	11.25 A
CS6W-550MB-AG	412 W	39.1 V	10.55 A	46.9 V	11.29 A
CS6W-555MB-AG	416 W	39.3 V	10.60 A	47.1 V	11.33 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	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
Per Container (40' HQ)	700 pieces or 560 pieces (only for US & Canada)

* 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 \pm 3°C

PARTNER SECTION





FRONT

BACK






BiHiKu7

BIFACIAL MONO PERC




640 W ~ 670 W

CS7N-640 | 645 | 650 | 655 | 660 | 665 | 670MB-AG

MORE POWER

-  Module power up to 670 W
Module efficiency up to 21.6 %
-  Up to 8.9 % lower LCOE
Up to 4.6 % 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*

12 Years

Enhanced Product Warranty on Materials and Workmanship*

30 Years

Linear Power Performance Warranty*

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.

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ISO 45001 : 2018 / International standards for occupational health & safety
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CEC listed (US California) / FSEC (US Florida)
UL 61730 / IEC 61701 / IEC 62716 / IEC 63126 Level1 / IEC 60068-2-68
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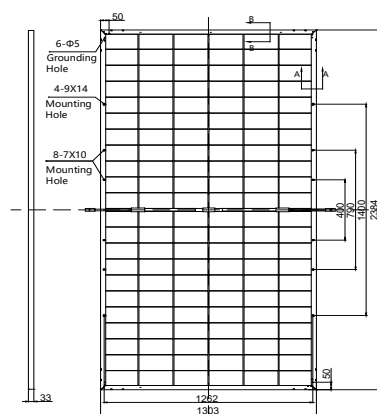
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CSI Solar Co., Ltd.

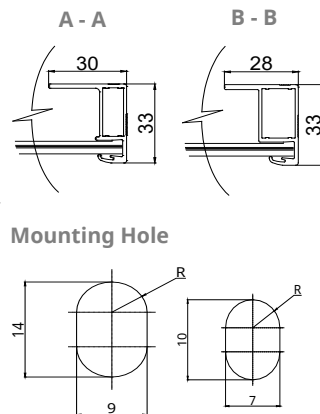
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ENGINEERING DRAWING (mm)

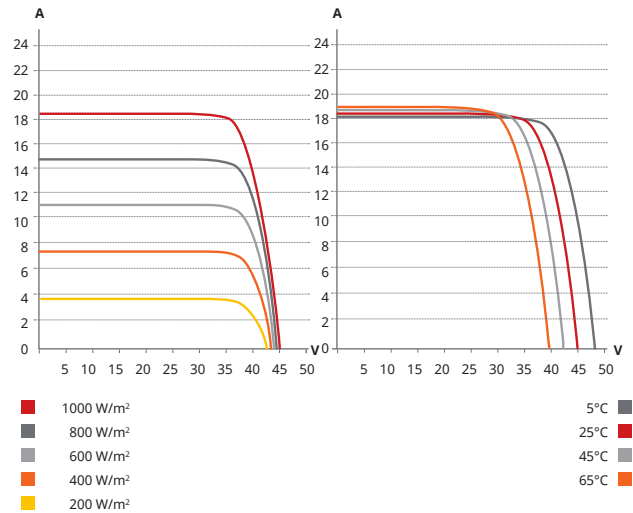
Rear View



Frame Cross Section



CS7N-650MB-AG / I-V CURVES



ELECTRICAL DATA | STC*

		Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Operating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)	Module Efficiency
CS7N-640MB-AG		640 W	37.5 V	17.07 A	44.6 V	18.31 A	20.6%
Bifacial Gain**	5%	672 W	37.5 V	17.92 A	44.6 V	19.23 A	21.6%
	10%	704 W	37.5 V	18.78 A	44.6 V	20.14 A	22.7%
	20%	768 W	37.5 V	20.48 A	44.6 V	21.97 A	24.7%
CS7N-645MB-AG		645 W	37.7 V	17.11 A	44.8 V	18.35 A	20.8%
Bifacial Gain**	5%	677 W	37.7 V	17.97 A	44.8 V	19.27 A	21.8%
	10%	710 W	37.7 V	18.84 A	44.8 V	20.19 A	22.9%
	20%	774 W	37.7 V	20.53 A	44.8 V	22.02 A	24.9%
CS7N-650MB-AG		650 W	37.9 V	17.16 A	45.0 V	18.39 A	20.9%
Bifacial Gain**	5%	683 W	37.9 V	18.03 A	45.0 V	19.31 A	22.0%
	10%	715 W	37.9 V	18.88 A	45.0 V	20.23 A	23.0%
	20%	780 W	37.9 V	20.59 A	45.0 V	22.07 A	25.1%
CS7N-655MB-AG		655 W	38.1 V	17.20 A	45.2 V	18.43 A	21.1%
Bifacial Gain**	5%	688 W	38.1 V	18.06 A	45.2 V	19.35 A	22.1%
	10%	721 W	38.1 V	18.93 A	45.2 V	20.27 A	23.2%
	20%	786 W	38.1 V	20.64 A	45.2 V	22.12 A	25.3%
CS7N-660MB-AG		660 W	38.3 V	17.24 A	45.4 V	18.47 A	21.2%
Bifacial Gain**	5%	693 W	38.3 V	18.10 A	45.4 V	19.39 A	22.3%
	10%	726 W	38.3 V	18.96 A	45.4 V	20.32 A	23.4%
	20%	792 W	38.3 V	20.69 A	45.4 V	22.16 A	25.5%
CS7N-665MB-AG		665 W	38.5 V	17.28 A	45.6 V	18.51 A	21.4%
Bifacial Gain**	5%	698 W	38.5 V	18.14 A	45.6 V	19.44 A	22.5%
	10%	732 W	38.5 V	19.02 A	45.6 V	20.36 A	23.6%
	20%	798 W	38.5 V	20.74 A	45.6 V	22.21 A	25.7%
CS7N-670MB-AG		670 W	38.7 V	17.32 A	45.8 V	18.55 A	21.6%
Bifacial Gain**	5%	704 W	38.7 V	18.20 A	45.8 V	19.48 A	22.7%
	10%	737 W	38.7 V	19.05 A	45.8 V	20.41 A	23.7%
	20%	804 W	38.7 V	20.78 A	45.8 V	22.26 A	25.9%

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

** 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.

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	35 A
Application Classification	Class A
Power Tolerance	0 ~ + 10 W
Power Bifaciality*	70 %

* Power Bifaciality = $P_{max, rear} / P_{max, front}$, both $P_{max, rear}$ and $P_{max, front}$ are tested under STC, Bifaciality Tolerance: $\pm 5 \%$

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ELECTRICAL DATA | NMOT*

	Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Operating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)
CS7N-640MB-AG	480 W	35.2 V	13.64 A	42.2 V	14.77 A
CS7N-645MB-AG	484 W	35.3 V	13.72 A	42.3 V	14.80 A
CS7N-650MB-AG	487 W	35.5 V	13.74 A	42.5 V	14.83 A
CS7N-655MB-AG	491 W	35.7 V	13.76 A	42.7 V	14.86 A
CS7N-660MB-AG	495 W	35.9 V	13.79 A	42.9 V	14.89 A
CS7N-665MB-AG	499 W	36.1 V	13.83 A	43.1 V	14.93 A
CS7N-670MB-AG	502 W	36.3 V	13.85 A	43.3 V	14.96 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	132 [2 x (11 x 6)]
Dimensions	2384 x 1303 x 33 mm (93.9 x 51.3 x 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 mm ² (IEC), 10 AWG (UL)
Cable Length (Including Connector)	410 mm (16.1 in) (+) / 250 mm (9.8 in) (-) or customized length*
Connector	T6 or MC4-EVO2 or MC4-EVO2A
Per Pallet	33 pieces
Per Container (40' HQ)	594 pieces or 495 pieces (only for US & Canada)

* 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 \pm 3°C

PARTNER SECTION

CSI Solar Co., Ltd.

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



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): $-0.29\%/^{\circ}\text{C}$,
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



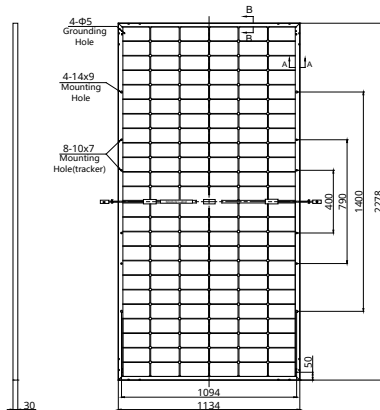
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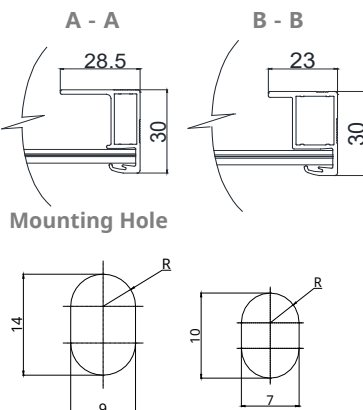
* For detailed information, please refer to the Installation Manual.

ENGINEERING DRAWING (mm)

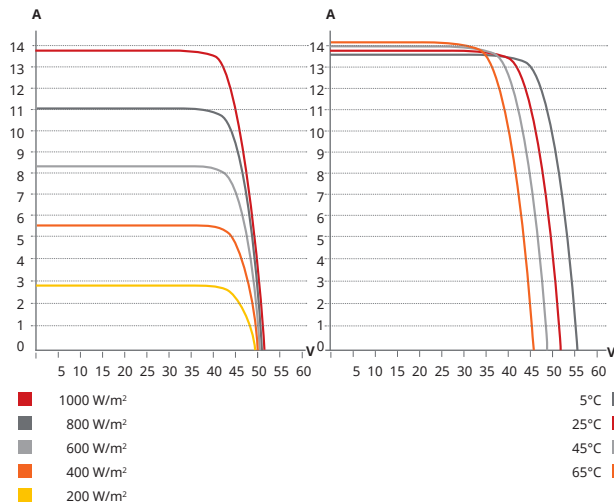
Rear View



Frame Cross Section



CS6W-570TB-AG / I-V CURVES



ELECTRICAL DATA | STC*

		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	22.6%
		10%	611 W	42.1 V	14.51 A	51.2 V	23.7%
		20%	666 W	42.1 V	15.83 A	51.2 V	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	22.8%
		10%	616 W	42.3 V	14.56 A	51.4 V	23.8%
		20%	672 W	42.3 V	15.89 A	51.4 V	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	23.0%
		10%	622 W	42.5 V	14.63 A	51.6 V	24.1%
		20%	678 W	42.5 V	15.96 A	51.6 V	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	23.2%
		10%	627 W	42.7 V	14.69 A	51.8 V	24.3%
		20%	684 W	42.7 V	16.02 A	51.8 V	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	23.4%
		10%	633 W	42.9 V	14.75 A	52.0 V	24.5%
		20%	690 W	42.9 V	16.09 A	52.0 V	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	23.6%
		10%	638 W	43.1 V	14.81 A	52.2 V	24.7%
		20%	696 W	43.1 V	16.15 A	52.2 V	26.9%

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

** 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.

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
Application Classification	Class A
Power Tolerance	0 ~ +10 W
Power Bifaciality*	80 %

* Power Bifaciality = $P_{max_rear} / P_{max_front}$, both P_{max_rear} and P_{max_front} are tested under STC, Bifaciality Tolerance: $\pm 5\%$

* 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.

CSI Solar Co., Ltd.

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

ELECTRICAL DATA | NMOT*

	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

* 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	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
Per Container (40' HQ)	700 pieces or 560 pieces (only for US & Canada)

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

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 \pm 3°C

PARTNER SECTION



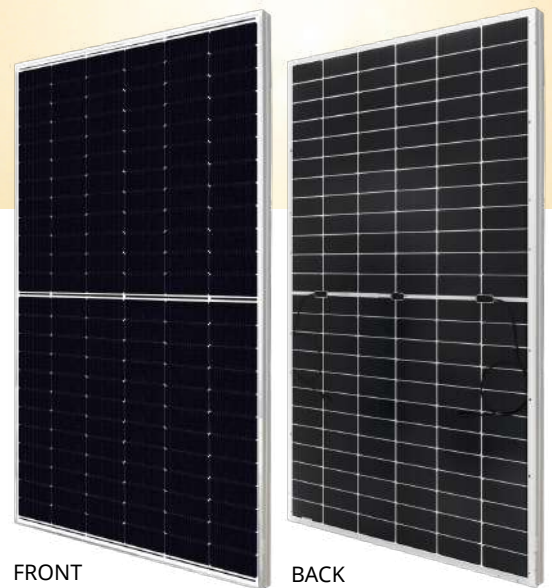


TOPBiHiKu6

N-type Bifacial TOPCon Technology

555 W ~ 580 W

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



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



Up to 85% Power Bifaciality,
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Excellent anti-LeTID & anti-PID performance.
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Lower temperature coefficient (Pmax): $-0.29\%/^{\circ}\text{C}$,
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

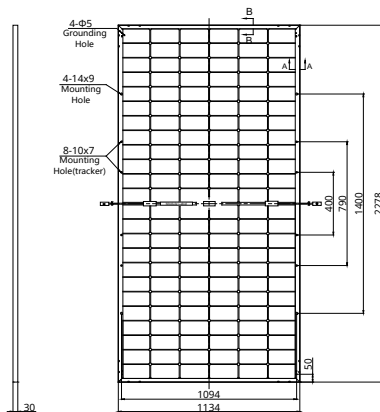


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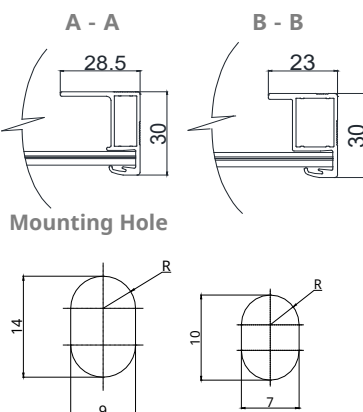
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* For detailed information, please refer to the Installation Manual.

Rear View



Frame Cross Section



		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%

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

**** 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 %

* Power Bifaciality = $P_{\text{max, rear}} / P_{\text{max, front}}$, both $P_{\text{max, rear}}$ and $P_{\text{max, front}}$ are tested under STC, Bifaciality Tolerance: + 5 %

	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
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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

* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

Specification	Data
Cell Type	TOPCon cells
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)	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
Per Container (40' HQ)	700 pieces or 560 pieces (only for US & Canada)

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

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

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TOPBiHiKu7

N-type Bifacial TOPCon Technology

615 W ~ 635 W

CS7L-615 | 620 | 625 | 630 | 635TB-AG



FRONT

BACK

MORE POWER



Module power up to 635 W
Module efficiency up to 22.4 %



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*



**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.

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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
FSEC (US Florida) / UL 61730 / IEC 61701 / IEC 62716
IEC 60068-2-68 / Take-e-way



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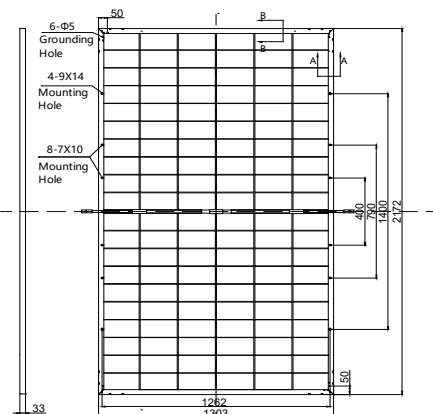
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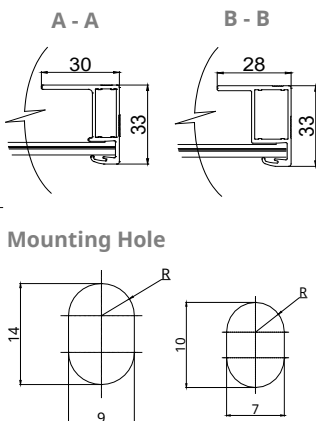
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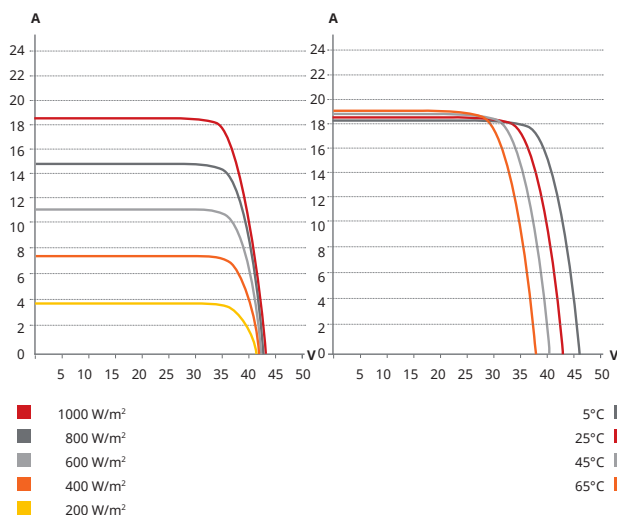
Rear View



Frame Cross Section



CS7L-625TB-AG / I-V CURVES



		Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Operating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)	Module Efficiency
CS7L-615TB-AG		615 W	35.5 V	17.33 A	42.7 V	18.26 A	21.7%
Bifacial Gain**	5%	646 W	35.5 V	18.21 A	42.7 V	19.17 A	22.8%
	10%	677 W	35.5 V	19.08 A	42.7 V	20.09 A	23.9%
	20%	738 W	35.5 V	20.80 A	42.7 V	21.91 A	26.1%
CS7L-620TB-AG		620 W	35.7 V	17.37 A	42.9 V	18.31 A	21.9%
Bifacial Gain**	5%	651 W	35.7 V	18.24 A	42.9 V	19.23 A	23.0%
	10%	682 W	35.7 V	19.11 A	42.9 V	20.14 A	24.1%
	20%	744 W	35.7 V	20.84 A	42.9 V	21.97 A	26.3%
CS7L-625TB-AG		625 W	35.9 V	17.41 A	43.1 V	18.36 A	22.1%
Bifacial Gain**	5%	656 W	35.9 V	18.28 A	43.1 V	19.28 A	23.2%
	10%	688 W	35.9 V	19.17 A	43.1 V	20.20 A	24.3%
	20%	750 W	35.9 V	20.89 A	43.1 V	22.03 A	26.5%
CS7L-630TB-AG		630 W	36.1 V	17.46 A	43.3 V	18.41 A	22.3%
Bifacial Gain**	5%	662 W	36.1 V	18.34 A	43.3 V	19.33 A	23.4%
	10%	693 W	36.1 V	19.21 A	43.3 V	20.25 A	24.5%
	20%	756 W	36.1 V	20.95 A	43.3 V	22.09 A	26.7%
CS7L-635TB-AG		635 W	36.3 V	17.50 A	43.5 V	18.46 A	22.4%
Bifacial Gain**	5%	667 W	36.3 V	18.38 A	43.5 V	19.38 A	23.6%
	10%	699 W	36.3 V	20.21 A	43.5 V	20.31 A	24.7%
	20%	762 W	36.3 V	21.00 A	43.5 V	22.15 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.

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	35 A
Application Classification	Class A
Power Tolerance	0 ~ + 10 W
Power Bifaciality*	80 %

* Power Bifaciality = $P_{\text{max_rear}} / P_{\text{max_front}}$, both $P_{\text{max_rear}}$ and $P_{\text{max_front}}$ are tested under STC, Bifaciality Tolerance: $\pm 5\%$

	Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Oper- ating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Cur- rent (Isc)
CS7L-615TB-AG	465 W	33.6 V	13.86 A	40.4 V	14.72 A
CS7L-620TB-AG	469 W	33.8 V	13.89 A	40.6 V	14.77 A
CS7L-625TB-AG	473 W	33.9 V	13.93 A	40.8 V	14.81 A
CS7L-630TB-AG	476 W	34.1 V	13.96 A	41.0 V	14.85 A
CS7L-635TB-AG	480 W	34.3 V	13.99 A	41.2 V	14.89 A

MECHANICAL DATA

Specification	Data
Cell Type	TOPCon cells
Cell Arrangement	120 [2 x (10 x 6)]
Dimensions	2172 × 1303 × 33 mm (85.5 × 51.3 × 1.30 in)
Weight	34.5 kg (76.1 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)	410 mm (16.1 in) (+) / 250 mm (9.8 in) (-) or customized length*
Connector	T6 or MC4-EVO2 or MC4-EVO2A
Per Pallet	33 pieces
Per Container (40' HQ)	594 pieces or 528 pieces (only for US & Canada)

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

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

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TOPBiHiKu7

N-type Bifacial TOPCon Technology

675 W ~ 705 W

CS7N-675 | 680 | 685 | 690 | 695 | 700 | 705TB-AG



MORE POWER



Module power up to 705 W
Module efficiency up to 22.7 %



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*



**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 / INMETRO / MCS / UKCA / CGC
CEC listed (US California) / FSEC (US Florida)
UL 61730 / IEC 61701 / IEC 62716 / IEC 60068-2-68
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 22 years, it has successfully delivered over 100 GW of premium-quality solar modules across the world.

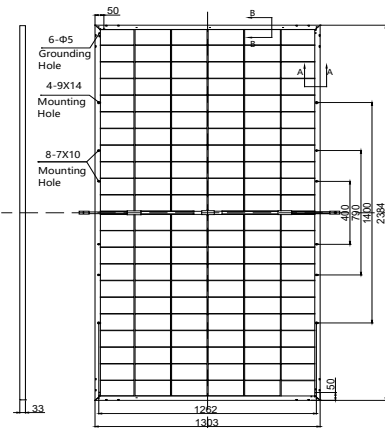
* For detailed information, please refer to the Installation Manual.

CSI Solar Co., Ltd.

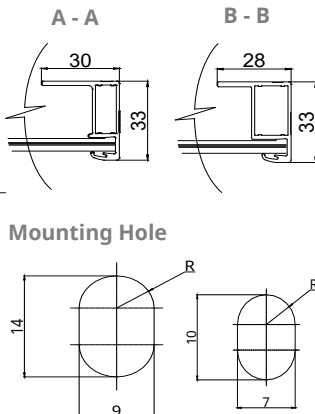
199 Lushan Road, SND, Suzhou, Jiangsu, China, 215129, www.csisolar.com, support@csisolar.com

ENGINEERING DRAWING (mm)

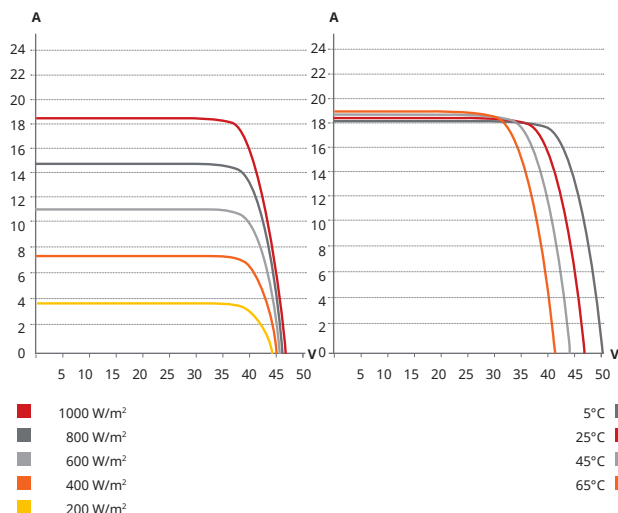
Rear View



Frame Cross Section



CS7N-680TB-AG / I-V CURVES



ELECTRICAL DATA | STC*

	Nominal Max. Power (P _{max})	Opt. Operating Voltage (V _{mp})	Opt. Operating Current (I _{mp})	Open Circuit Voltage (V _{oc})	Short Circuit Current (I _{sc})	Module Efficiency
CS7N-675TB-AG	675 W	39.0 V	17.31 A	46.9 V	18.24 A	21.7%
Bifacial Gain**	5%	709 W	39.0 V	18.19 A	19.15 A	22.8%
	10%	743 W	39.0 V	19.04 A	20.06 A	23.9%
	20%	810 W	39.0 V	20.77 A	21.89 A	26.1%
CS7N-680TB-AG	680 W	39.2 V	17.35 A	47.1 V	18.29 A	21.9%
Bifacial Gain**	5%	714 W	39.2 V	18.22 A	19.20 A	23.0%
	10%	748 W	39.2 V	19.09 A	20.12 A	24.1%
	20%	816 W	39.2 V	20.82 A	21.95 A	26.3%
CS7N-685TB-AG	685 W	39.4 V	17.39 A	47.3 V	18.34 A	22.1%
Bifacial Gain**	5%	719 W	39.4 V	18.26 A	19.26 A	23.1%
	10%	754 W	39.4 V	19.14 A	20.17 A	24.3%
	20%	822 W	39.4 V	20.87 A	22.01 A	26.5%
CS7N-690TB-AG	690 W	39.6 V	17.43 A	47.5 V	18.39 A	22.2%
Bifacial Gain**	5%	725 W	39.6 V	18.31 A	19.31 A	23.3%
	10%	759 W	39.6 V	19.17 A	20.23 A	24.4%
	20%	828 W	39.6 V	20.92 A	22.07 A	26.7%
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	19.36 A	23.5%
	10%	765 W	39.8 V	20.18 A	20.28 A	24.6%
	20%	834 W	39.8 V	20.96 A	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	19.41 A	23.7%
	10%	770 W	40.0 V	20.22 A	20.34 A	24.8%
	20%	840 W	40.0 V	21.01 A	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	19.47 A	23.8%
	10%	776 W	40.2 V	20.27 A	20.39 A	25.0%
	20%	846 W	40.2 V	21.06 A	22.25 A	27.2%

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

** 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.

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	35 A
Application Classification	Class A
Power Tolerance	0 ~ + 10 W
Power Bifaciality*	80 %

* Power Bifaciality = $\frac{P_{max_{rear}}}{P_{max_{front}}}$ both $P_{max_{rear}}$ and $P_{max_{front}}$ are tested under STC, Bifaciality Tolerance: $\pm 5 \%$

* 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.

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ELECTRICAL DATA | NMOT*

	Nominal Max. Power (P _{max})	Opt. Operating Voltage (V _{mp})	Opt. Operating Current (I _{mp})	Open Circuit Voltage (V _{oc})	Short Circuit Current (I _{sc})
CS7N-675TB-AG	510 W	36.9 V	13.84 A	44.4 V	14.71 A
CS7N-680TB-AG	514 W	37.1 V	13.88 A	44.6 V	14.75 A
CS7N-685TB-AG	518 W	37.2 V	13.91 A	44.8 V	14.79 A
CS7N-690TB-AG	522 W	37.4 V	13.94 A	45.0 V	14.83 A
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

* 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	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 mm ² (IEC), 12 AWG (UL)
Cable Length (Including Connector)	410 mm (16.1 in) (+) / 250 mm (9.8 in) (-) or customized length*
Connector	T6 or MC4-EVO2 or MC4-EVO2A
Per Pallet	33 pieces
Per Container (40' HQ)	594 pieces or 495 pieces (only for US & Canada)

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

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (P _{max})	-0.29 % / °C
Temperature Coefficient (V _{oc})	-0.25 % / °C
Temperature Coefficient (I _{sc})	0.05 % / °C
Nominal Module Operating Temperature	41 ± 3°C

PARTNER SECTION