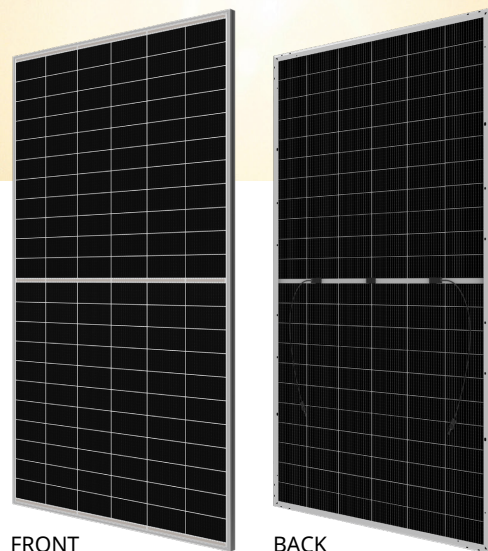




Low Carbon Module

HiHero+ Bifacial HJT

CS6.2-66HB-625 | 630 | 635 | 640 | 645 | 650 | 655 | 660



MORE POWER



Module power up to 660 W
Module efficiency up to 24.4 %



Up to 95% Power Bifaciality,
more power from the back side



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



Leading temperature coefficient (Pmax): $-0.24\%/^{\circ}\text{C}$,
increases energy yield in hot climate



Lower energy consumption & carbon emissions,
shorter carbon payback time

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,
enhanced wind load up to 2400 Pa*

15
Years

**Industry Leading 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 0.3%**

*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
UL 61730 / IEC 61701 / IEC 62716 / IEC 60068-2-68
UNI EN13501-1/5 / 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.

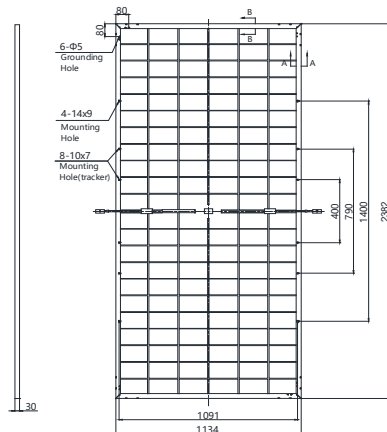
CSI Solar Co., Ltd., a BNEF Tier 1 and S&P Global Tier 1 module
manufacturer, is a leading provider of integrated solar and
energy storage solutions. With over 24 years of expertise, the
company has delivered more than 165 GW of premium-quality
solar modules worldwide.

* 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



A

B

■ 1000 W/m²
 ■ 800 W/m²
 ■ 600 W/m²
 ■ 400 W/m²
 ■ 200 W/m²

■ 5°C
 ■ 25°C
 ■ 45°C
 ■ 65°C

		Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Operating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)	Module Efficiency
	625	625 W	42.6 V	14.69 A	50.1 V	15.75 A	23.1%
Bifacial Gain**	5%	656 W	42.6 V	15.42 A	50.1 V	16.54 A	24.3%
	10%	688 W	42.6 V	16.16 A	50.1 V	17.33 A	25.5%
	20%	750 W	42.6 V	17.63 A	50.1 V	18.90 A	27.8%
	630	630 W	42.6 V	14.79 A	50.2 V	15.82 A	23.3%
Bifacial Gain**	5%	662 W	42.6 V	15.53 A	50.2 V	16.61 A	24.5%
	10%	693 W	42.6 V	16.27 A	50.2 V	17.40 A	25.7%
	20%	756 W	42.6 V	17.75 A	50.2 V	18.98 A	28.0%
	635	635 W	42.7 V	14.88 A	50.3 V	15.92 A	23.5%
Bifacial Gain**	5%	667 W	42.7 V	15.62 A	50.3 V	16.72 A	24.7%
	10%	699 W	42.7 V	16.37 A	50.3 V	17.51 A	25.9%
	20%	762 W	42.7 V	17.86 A	50.3 V	19.10 A	28.2%
	640	640 W	42.7 V	14.99 A	50.4 V	16.01 A	23.7%
Bifacial Gain**	5%	672 W	42.7 V	15.74 A	50.4 V	16.81 A	24.9%
	10%	704 W	42.7 V	16.49 A	50.4 V	17.61 A	26.1%
	20%	768 W	42.7 V	17.99 A	50.4 V	19.21 A	28.4%
	645	645 W	42.8 V	15.07 A	50.4 V	16.13 A	23.9%
Bifacial Gain**	5%	677 W	42.8 V	15.82 A	50.4 V	16.94 A	25.1%
	10%	710 W	42.8 V	16.58 A	50.4 V	17.74 A	26.3%
	20%	774 W	42.8 V	18.08 A	50.4 V	19.36 A	28.7%
	650	650 W	42.9 V	15.16 A	50.5 V	16.22 A	24.1%
Bifacial Gain**	5%	683 W	42.9 V	15.92 A	50.5 V	17.03 A	25.3%
	10%	715 W	42.9 V	16.68 A	50.5 V	17.84 A	26.5%
	20%	780 W	42.9 V	18.19 A	50.5 V	19.46 A	28.9%
	655	655 W	42.9 V	15.27 A	50.6 V	16.31 A	24.2%
Bifacial Gain**	5%	688 W	42.9 V	16.03 A	50.6 V	17.13 A	25.5%
	10%	721 W	42.9 V	16.80 A	50.6 V	17.94 A	26.7%
	20%	786 W	42.9 V	18.32 A	50.6 V	19.57 A	29.1%
	660	660 W	42.9 V	15.39 A	50.7 V	16.40 A	24.4%
Bifacial Gain**	5%	693 W	42.9 V	16.16 A	50.7 V	17.22 A	25.7%
	10%	726 W	42.9 V	16.93 A	50.7 V	18.04 A	26.9%
	20%	792 W	42.9 V	18.47 A	50.7 V	19.68 A	29.3%

**** 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*	90 %

* 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.

	Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Operating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)
625	477 W	40.6 V	11.74 A	47.6 V	12.70 A
630	481 W	40.6 V	11.83 A	47.7 V	12.76 A
635	484 W	40.7 V	11.90 A	47.8 V	12.84 A
640	488 W	40.7 V	11.99 A	47.9 V	12.91 A
645	492 W	40.8 V	12.06 A	47.9 V	13.01 A
650	496 W	40.8 V	12.14 A	48.0 V	13.08 A
655	500 W	40.9 V	12.23 A	48.1 V	13.15 A
660	503 W	40.9 V	12.32 A	48.2 V	13.22 A

MECHANICAL DATA

Specification	Data
Cell Type	HJT cells
Cell Arrangement	132 [2 x (11 x 6)]
Dimensions	2382 x 1134 x 30 mm (93.8 x 44.6 x 1.18 in)
Weight	32.8 kg (72.3 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)	300 mm (11.8 in) (+) / 200 mm (7.9 in) (-) or customized length*
Connector	T6 or MC4-EVO2A
Per Pallet	36 pieces
Per Container (40' HQ)	720 pieces

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.24 % / °C
Temperature Coefficient (Voc)	-0.23 % / °C
Temperature Coefficient (Isc)	0.05 % / °C
Nominal Module Operating Temperature	41 ± 3°C

PARTNER SECTION

