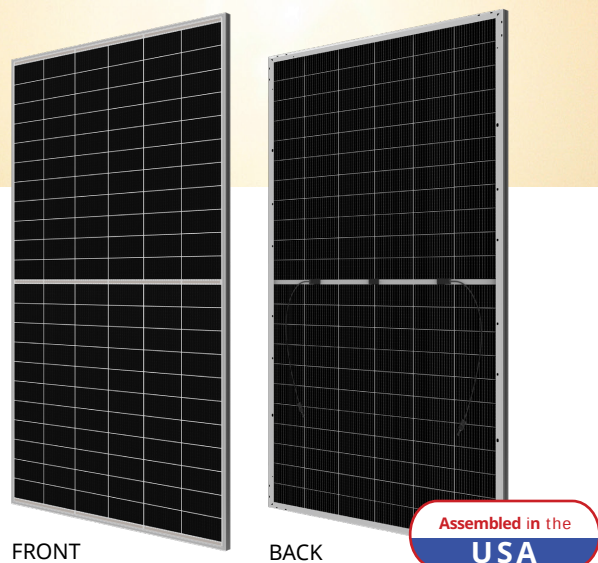




Low Carbon Module

HiHero Bifacial HJT

CS6.2-66HB-620 | 625 | 630 | 635 | 640 | 645H



MORE POWER



Module power up to 645 W
Module efficiency up to 23.9 %



Up to 90% 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): $-0.255\%/^{\circ}\text{C}$,
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 6000 Pa,
enhanced wind load up to 5400 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 / 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.

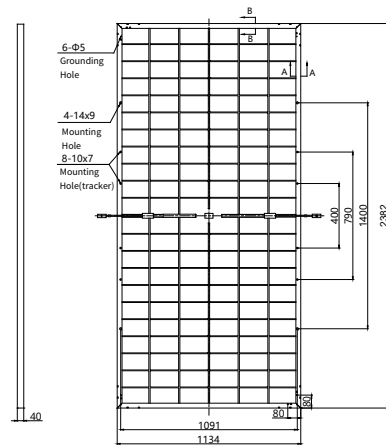
Canadian Solar Inc., a BNEF Tier 1 and S&P Global Tier 1 module manufacturer, is a leading provider of integrated solar and energy storage solutions. With over 24 years of expertise, the company has delivered more than 165 GW of premium-quality solar modules worldwide.

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

CS Power Systems Inc.

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Rear View



		Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Operating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)	Module Efficiency
CS6.2-66HB-620H		620 W	42.6 V	14.58 A	50.1 V	15.65 A	23.0%
Bifacial Gain**	5%	651 W	42.6 V	15.31 A	50.1 V	16.43 A	24.1%
	10%	682 W	42.6 V	16.04 A	50.1 V	17.22 A	25.2%
	20%	744 W	42.6 V	17.50 A	50.1 V	18.78 A	27.5%
CS6.2-66HB-625H		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%
CS6.2-66HB-630H		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%
CS6.2-66HB-635H		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%
CS6.2-66HB-640H		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%
CS6.2-66HB-645H		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%

**** 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*	85 %

* 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. Canadian Solar Inc. 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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	Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Operating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)
CS6.2-66HB-620H	472 W	40.5 V	11.65 A	47.6 V	12.61 A
CS6.2-66HB-625H	476 W	40.5 V	11.74 A	47.6 V	12.69 A
CS6.2-66HB-630H	479 W	40.5 V	11.83 A	47.7 V	12.74 A
CS6.2-66HB-635H	483 W	40.6 V	11.90 A	47.8 V	12.82 A
CS6.2-66HB-640H	487 W	40.6 V	11.99 A	47.9 V	12.90 A
CS6.2-66HB-645H	491 W	40.7 V	12.06 A	47.9 V	12.99 A

MECHANICAL DATA

Specification	Data
Cell Type	HJT cells
Cell Arrangement	132 [2 x (11 x 6)]
Dimensions	2382 × 1134 × 40 mm (93.8 × 44.6 × 1.57 in)
Weight	33.4 kg (73.6 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) (-)*
Connector	T6 or MC4-EVO2A
Per Pallet	27 pieces
Per Container (40' HQ)	540 pieces or 486 pieces (only for US & Canada)

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.255 % / °C
Temperature Coefficient (Voc)	-0.230 % / °C
Temperature Coefficient (Isc)	0.044 % / °C
Nominal Module Operating Temperature	41 ± 3°C

PARTNER SECTION

