



# BC cell

CHGMB72D

Bifacial Double Glass Module

**660W** Maximum Power Output

**24.40%** Maximum Module Efficiency

**0~+5W** Positive power tolerance



Excellent power output



Outstanding reliability



Excellent temperature coefficient characteristics



Aesthetic appearance



Front-side zero busbar shading



Lower Levelized Cost of Energy



Superior performance under low-angle illumination



Excellent performance under shaded conditions



Innovative welding technology



Strong mechanical load performance



IEC61215(2016), IEC61730(2016)  
 ISO14001: 2015 Environment Management System  
 ISO9001: 2015: Quality Management System  
 ISO45001: 2018: Occupational health and safety management systems



1.0%  
1st year degradation

0.4%  
2-30th annual degradation

15 Year  
material and workmanship warranty

30 Year  
linear warranty

## Electrical Properties (STC: AM1.5 1000W/m<sup>2</sup> 25°C NOCT: AM1.5 800W/m<sup>2</sup> 20°C 1m/s)

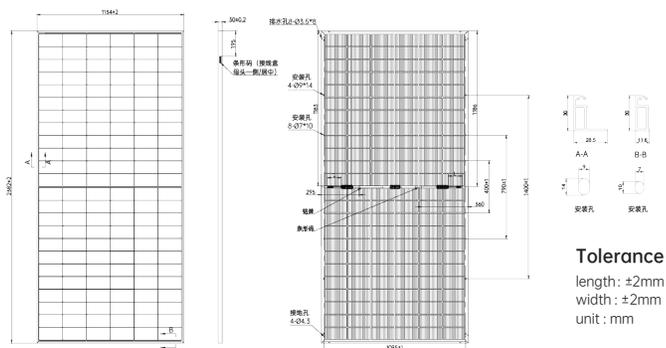
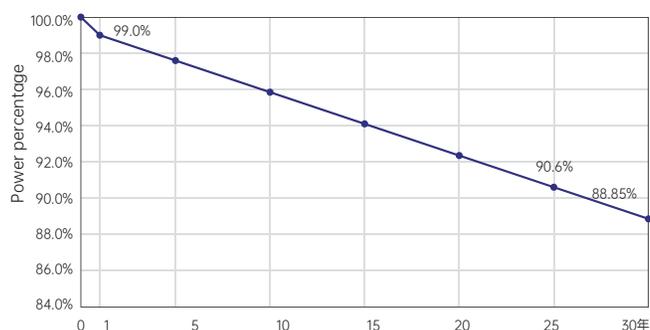
Power tolerance: 0~ +3%

Test conditions	STC	NOCT										
Maximum power [W]	635	481	640	485	645	489	650	493	655	496	660	500
Open-circuit voltage [V]	53.70	50.95	53.80	51.04	53.90	51.14	54.00	51.23	54.10	51.33	54.20	51.42
Operating voltage at maximum power point [V]	45.00	42.69	45.10	42.79	45.20	42.88	45.30	42.98	45.40	43.07	45.50	43.17
Short-circuit current [A]	14.88	12.02	14.94	12.07	15.00	12.12	15.06	12.17	15.12	12.22	15.18	12.27
Operating current at maximum power point [A]	14.12	11.29	14.20	11.35	14.27	11.41	14.35	11.48	14.43	11.54	14.51	11.60
Module efficiency	23.5%		23.7%		23.9%		24.1%		24.2%		24.4%	

## Product specifications

Dual-sided ratio	75±5%
Cell type	BC
Module front sheet	2.0mm coated semi-tempered glass
Module backsheet	2.0mm semi-tempered glass
Frame	Anodized aluminum alloy frame
Cable	4mm <sup>2</sup> (IEC) 12AWG(UL) +400mm, -200mm/±1400mm/Customizable
Number of cells	144(6*24)
Junction box	IP68, 3 diodes
Connector	MC4 compatible / Original MC4
Module weight	32.3kg±3%
Module dimensions	2382*1134*30mm
Packaging information	36pcs/pallet 144pcs/20'GP 720pcs/40'HC 720pcs/13.5m flatcar 864pcs/17.5m flatcar

## 30-year linear power warranty



## Installation Guide

Operating temperature	-40°C - +85°C
Maximum fuse rating current	30A
Safety protection level	Class II
Maximum system voltage	DC1500V
Maximum static load	+5400Pa/ -2400Pa
Hail Test	Diameter 25mm, impact speed 23m/s
Fire rating	IEC Class A

## Temperature Coefficient

Temperature coefficient of short-circuit current $\alpha$	+ 0.05%/°C
Temperature coefficient of open-circuit voltage $\beta$	- 0.22%/°C
Temperature coefficient of module power $\gamma$	- 0.26%/°C