

High Efficiency  
Bifacial HJT Module

# GSM- MH3/132- BHDG720

700W | 705W | 710W  
715W | 720W



**720W**  
Maximum Power Output

**85%**  
Bifaciality

**23.18%**  
Maximum Efficiency

**30YEAR**  
Linear Power Warranty

## Product Features



### Industry-Leading Process Technology

Advanced HJT cell/module design, higher reliability and outstanding performance



### High Energy Yield

Maximum Module Efficiency up to 23.18% achieved by mature mass production HJT cell technology



### G12 Cell / Module

G12 Big size wafer, effectively reduced LCOE and improved ROI



### High Reliability

Certified mechanical performance up to 5400 Pa positive load and 2400 Pa negative load, with better protection against harsh weather



### Higher Performance

Excellent weak light performance and lower temperature coefficient, resulting in better energy yield in all-weather



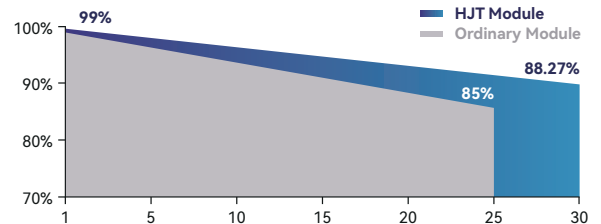
### Better Warranty

Extremely low LID/PID in longer service life, 11.73% Power degradation in 30 years

## Quality Assurance

**12** Years Product Warranty

**30** Years Linear Power Warranty



## Certificates



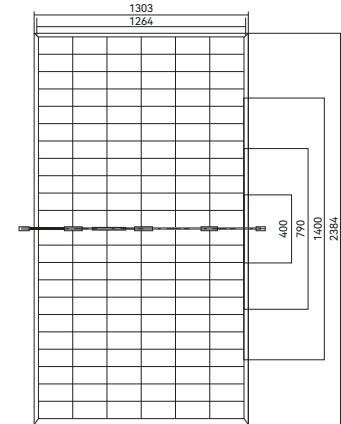
Guosheng Energy Co., Ltd.

Web: [www.grandsunergy.com](http://www.grandsunergy.com) E-mail: [sales@grandsunergy.com](mailto:sales@grandsunergy.com)

Add: West Side to Zhongjing 7th Road, South Side to Pengcheng Boulevard, Xuzhou Industrial Park, Xuzhou City, Jiangsu Province

## Mechanical Data

Cell (mm)	210×105
Weight (kg)	38.5±0.5kg
Dimension(L×W×H)(mm)	2384×1303×33mm
Cable (mm)	4mm <sup>2</sup> , 300mm(customized length based on needs)
Frame	anodized aluminum
Junction Box	IP68, 1500VDC, 3 Diodes
Packaging Configuration (40'Container;17.5'Trailer)	33pcs. / pallet; 17pallet / container; 561pcs / container 33pcs. / pallet; 23pallet / Trailer; 759pcs / Trailer



## Electrical Data (STC)

Model	GSM-MH3/132-BHDG700	GSM-MH3/132-BHDG705	GSM-MH3/132-BHDG710	GSM-MH3/132-BHDG715	GSM-MH3/132-BHDG720
Pmax(Wp)	700	705	710	715	720
Voc(V)	50.26	50.41	50.55	50.69	50.85
Isc(A)	17.39	17.45	17.51	17.57	17.63
Vmpp(V)	42.14	42.28	42.42	42.56	42.72
Impp(A)	16.61	16.68	16.74	16.80	16.86
Efficiency	22.53%	22.70%	22.86%	23.02%	23.18%

STC: AM1.5, Irradiance: 1000W/m<sup>2</sup>, Temperature=25°C

## Electrical Characteristics (BSTC)

Model	GSM-MH3/132-BHDG700	GSM-MH3/132-BHDG705	GSM-MH3/132-BHDG710	GSM-MH3/132-BHDG715	GSM-MH3/132-BHDG720
Pmax (Wp)	772	778	783	788	793
Voc (V)	50.26	50.41	50.55	50.69	50.85
Isc (A)	19.17	19.26	19.32	19.38	19.44
Vmpp (V)	42.18	42.28	42.43	42.58	42.75
Impp (A)	18.32	18.43	18.48	18.54	18.60

αIsc (%/K): 0.04; βVoc (%/K): -0.24; γPmp (%/K): -0.26

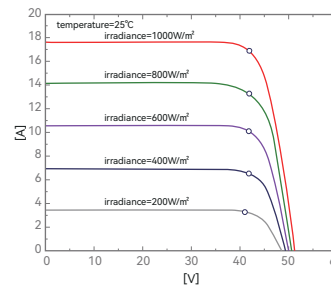
AM1.5, Front irradiance: 1000W/m<sup>2</sup>, Back Irradiance135W/m<sup>2</sup>, Temperature=25°C, Wind speed=1m/s

## Working Condition

Maximum System Voltage	1500VDC
Operating Temperature	-40°C ~ +85°C
Maximum Fuse Rating	35A
Rear Side Mechanical Load	2400Pa
Front Side Mechanical Load	5400Pa
NOCT	44±2°C
Safety Class	Class II
Grounding Electric Conductivity	< 0.1Ω

## I-V Diagram

(Different Irradiance)



## I-V Diagram

(Different Temperature)

