

High Efficiency  
Bifacial HJT Module

# GSM- MH5/120- BHDG400

380W | 385W | 390W  
395W | 400W



**400W**  
Maximum Power Output

**85%**  
Bifaciality

**21.96%**  
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 21.96% achieved by mature mass production HJT cell technology



### M6 Cell / Module

Small in size, big on power and efficiency, applicable to multiple scenarios



### 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



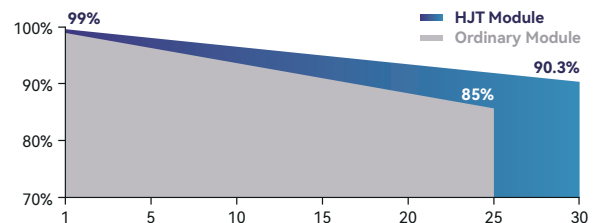
### Better Warranty

Extremely low LID/PID in longer service life, 9.7% Power degradation in 30 years

## Quality Assurance

**12** Years Product Warranty

**30** Years Linear Power Warranty



## Certificates



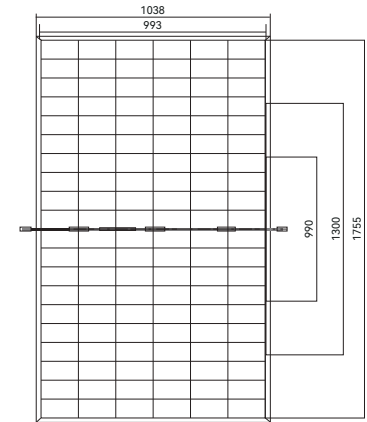
Guosheng Energy Co., Ltd.

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

## Mechanical Data

Cell (mm)	166×83
Weight (kg)	24.5±0.5kg
Dimension(L×W×H)(mm)	1755×1038×35mm
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)	31 pcs/pallet; 26pallets/container; 806 pcs/container 31 pcs/pallet; 36pallet / Trailer; 1116pcs/Trailer



## Electrical Data(STC)

Model	GSM-MH5/120-BHDG380	GSM-MH5/120-BHDG385	GSM-MH5/120-BHDG390	GSM-MH5/120-BHDG395	GSM-MH5/120-BHDG400
Pmax(Wp)	380	385	390	395	400
Voc(V)	45.10	45.25	45.40	45.54	45.69
Isc(A)	10.66	10.70	10.74	10.77	10.81
Vmpp(V)	37.60	37.92	38.26	38.50	38.74
Impp(A)	10.11	10.16	10.20	10.27	10.33
Efficiency	20.86%	21.13%	21.41%	21.68%	21.96%

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

## Electrical Characteristics(BSTC)

Model	GSM-MH5/120-BHDG380	GSM-MH5/120-BHDG385	GSM-MH5/120-BHDG390	GSM-MH5/120-BHDG395	GSM-MH5/120-BHDG400
Pmax(Wp)	420	425	431	437	442
Voc(V)	45.10	45.25	45.40	45.54	45.69
Isc(A)	11.77	11.81	11.84	11.88	11.92
Vmpp(V)	37.60	37.93	38.28	38.53	38.78
Impp(A)	11.18	11.22	11.26	11.33	11.39

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

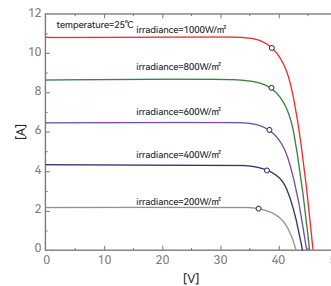
AM1.5, Front irradiance: 1000W/m<sup>2</sup>, Back irradiance: 135W/m<sup>2</sup>, Temperature=25°C, wind speed=1m/s

## Working Condition

Maximum System Voltage	1500VDC
Operating Temperature	-40°C ~ +85°C
Maximum Fuse Rating	25A
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)

