

High Efficiency  
HJT Module

# GSM- MH4/144- BHDG600

580W | 585W | 590W  
595W | 600W



**600W**  
Maximum Power Output

**85%**  
Bifaciality

**23.23%**  
Maximum Efficiency

**30YEAR**  
Linear Power Warranty

## Product Features



**SMBB Half Cell**  
Multi-busbar half-cell design, higher module efficiency and power output



**High Energy Yield**  
Maximum Module Efficiency up to 23.23% achieved by mature mass production HJT cell technology



**G10 Cell / Module**  
G10 size wafer, 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**  
Lower temperature coefficient and low operation temperature, resulting in better energy yield in all-weather

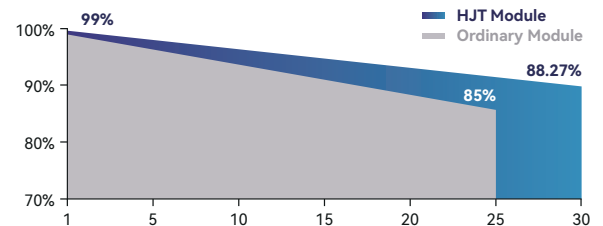


**Fire Safety Class:**  
Class C according to UL790

## Quality Assurance

**12** Years Product Warranty

**30** Years Linear Power Warranty

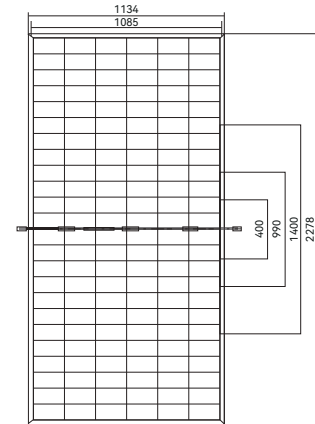


## Certificates



## Mechanical Data

Cell(mm)	182×91
Weight(kg)	34.0±0.5kg
Dimension(L×W×H)(mm)	2278×1134×30mm
Cable(mm)	4mm <sup>2</sup> , 300mm(customized length based on needs)
Frame	anodized aluminum
Junction Box	IP68, 1500VDC, 3 Diodes, Connector Type:GT4 Changzhou Greeteen New Energy Technology Co., Ltd.,
Packaging Configuration (40'Container;17.5'Trailer)	36pcs/pallet; 20pallets/container; 720pcs/container 36pcs/pallet; 23pallet / Trailer; 828pcs/Trailer



## Electrical Data(STC)

Binning tolerance: 0-+5W, Power production tolerance: ±3%, Voc tolerance: ±3%, Isc tolerance: ±3%

Model	GSM-MH4/144-BHDG580	GSM-MH4/144-BHDG585	GSM-MH4/144-BHDG590	GSM-MH4/144-BHDG595	GSM-MH4/144-BHDG600
Pmax(Wp)	580	585	590	595	600
Voc(V)	53.95	54.14	54.33	54.52	54.71
Isc(A)	13.36	13.41	13.46	13.51	13.56
Vmpp(V)	45.02	45.23	45.44	45.65	45.86
Impp(A)	12.90	12.95	13.00	13.05	13.10
Efficiency	22.45%	22.65%	22.84%	23.03%	23.23%

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

## Electrical Characteristics(BSTC)

Model	GSM-MH4/144-BHDG580	GSM-MH4/144-BHDG585	GSM-MH4/144-BHDG590	GSM-MH4/144-BHDG595	GSM-MH4/144-BHDG600
Pmax(Wp)	642	646	651	656	661
Voc(V)	53.95	54.14	54.33	54.52	54.71
Isc(A)	14.76	14.80	14.84	14.88	14.92
Vmpp(V)	45.02	45.23	45.44	45.65	45.86
Impp(A)	14.25	14.29	14.33	14.37	14.41
αsc (%/K) : 0.04; βVoc (%/K) : -0.24; γPmp (%/K) : -0.26					

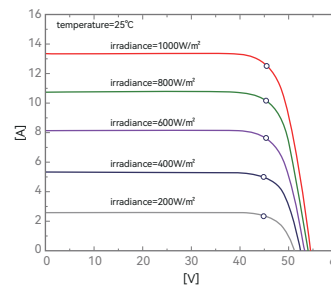
AM1.5, Front irradiance: 1000W/m<sup>2</sup>, Back irradiance: 135W/m<sup>2</sup>, Temperature=25°C, Wind speed=1m/s

## Working Condition

Maximum System Voltage	1500VDC
Operating Temperature	-40°C ~ +85°C
Maximum Fuse Rating	30A
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)

