

**15** Years  
Product  
Warranty

**30** Years  
Linear Power  
Warranty

## High **HJT** Module

# GSM-MH4/144-BHDG600

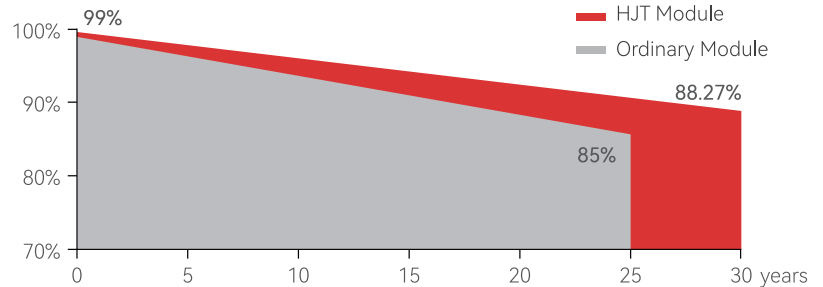
580W | 585W | 590W | 595W | 600W

**600W**  
Maximum  
Power Output

**23.23%**  
Maximum  
Efficiency

**90%+**  
Bifaciality

### Quality Assurance



### Product Features



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



**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



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



**Better Warranty**  
Extremely low LID/PID in longer service life, with 11.73% power degradation over 30 years



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

### Certificates



**Electrical Data(STC)**

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)	53.92	54.06	54.20	54.34	54.42
Isc(A)	13.06	13.11	13.16	13.21	13.29
Vmpp(V)	46.41	46.58	46.76	46.93	47.10
Imp(A)	12.50	12.56	12.62	12.68	12.74
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)	638	644	649	655	660
Voc(V)	53.92	54.06	54.20	54.34	54.42
Isc(A)	14.37	14.42	14.48	14.53	14.62
Vmpp(V)	46.41	46.58	46.76	46.93	47.10
Imp(A)	13.75	13.82	13.88	13.95	14.01

 $\alpha_{sc} (\%/K): 0.04; \beta_{Voc} (\%/K): -0.24; \gamma_{Pmp} (\%/K): -0.24$ 

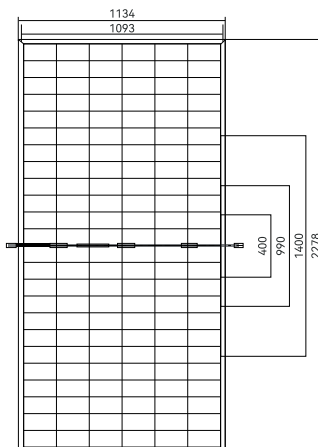
 BSTC: AM1.5, Front irradiance: 1000W/m<sup>2</sup>, Back Irradiance 135W/m<sup>2</sup>, Temperature=25°C

**Mechanical Data**

Cell(mm)	182×91
Weight(kg)	34±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, 3Diodes
Packaging configuration (40' Container; 17.5' Trailer)	36pcs/pallet; 20pallet/container; 720pcs/container 36pcs/pallet; 23pallet/Trailer; 828pcs/Trailer

**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 Rating	Class II
Grounding Electric Conductivity	< 0.1Ω

**Dimensions (mm)**

**I-V Diagram**
