

15 Years
Product Warranty

30 Years
Linear Power Warranty

High Efficiency **HJT** Module

GSM-MH4/144-BHDG610

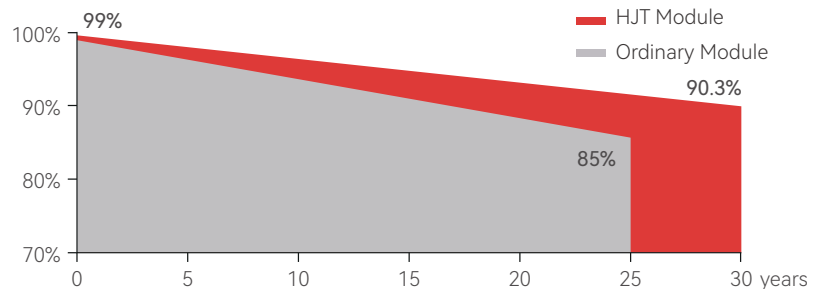
590W | 595W | 600W | 605W | 610W

610W
Maximum Power Output

23.62%
Maximum Efficiency

90%+
Bifaciality

Quality Assurance



Product Features



OBB Half Cell
Zero 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 23.62% achieved by mature mass production HJT cell technology



Better Warranty
Extremely low LID/PID in longer service life, with 9.7% 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-BHDG590	GSM-MH4/144-BHDG595	GSM-MH4/144-BHDG600	GSM-MH4/144-BHDG605	GSM-MH4/144-BHDG610
Pmax(Wp)	590	595	600	605	610
Voc(V)	53.33	54.52	54.71	54.90	55.09
Isc(A)	13.46	13.51	13.56	13.61	13.66
Vmpp(V)	45.44	45.65	45.86	46.07	46.28
Imp(A)	13.00	13.05	13.10	13.15	13.20
Efficiency	22.84%	23.03%	23.23%	23.42%	23.62%

STC: AM1.5 Irradiance: 1000W/m², Temperature=25°C

Electrical Characteristics(BSTC)

Model	GSM-MH4/144-BHDG590	GSM-MH4/144-BHDG595	GSM-MH4/144-BHDG600	GSM-MH4/144-BHDG605	GSM-MH4/144-BHDG610
Pmax(Wp)	674	679	684	689	694
Voc(V)	56.13	56.32	56.51	56.70	56.89
Isc(A)	14.84	14.88	14.92	14.96	15.00
Vmpp(V)	47.04	47.25	47.46	47.67	47.88
Imp(A)	14.33	14.37	14.41	14.45	14.49

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

BSTC: AM1.5, Front irradiance: 1000W/m², Back Irradiance135W/m², Temperature=25°C

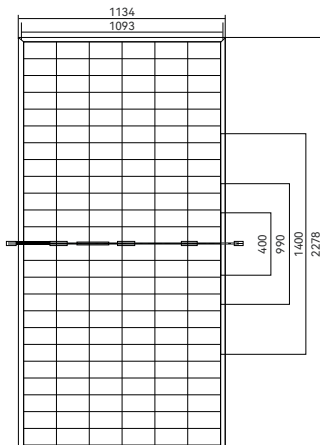
Mechanical Data

Cell(mm)	182×91 All Dimensions
Weight(kg)	32.5±0.5kg
Dimension(L×W×H)(mm)	2278×1134×30mm
Cable(mm)	4mm ² , 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

