Grand Sunergy

High Efficiency
HJT Module

GSM-MH6/192-BHDG570

550W | 555W | 560W
565W | 570W

570W
Maximum Power Output

85%
Bifaciality

21.39%
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 21.39% achieved by mature mass production HJT cell technology

G1 Cell / Module
G1 size wafer, highly efficient and applicable to distributed scenarios

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

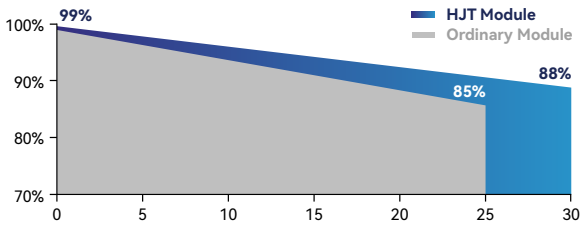
Higher Performance
Excellent weak light performance and lower temperature coefficient, resulting in better energy yield in all-weather

Better Warranty
Extremely low LID/PID in longer service life, 12% Power degradation in 30 years

Quality Assurance

12 Years Product Warranty

30 Years Linear Power Warranty



Certificates

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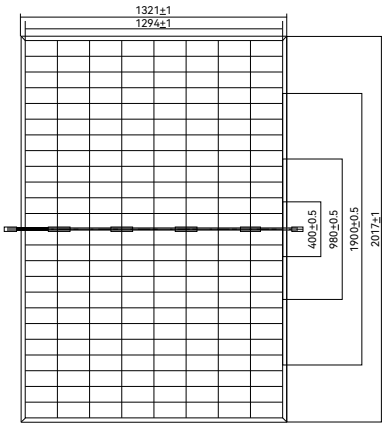
Mechanical Data

Cell(mm)	158×79
Weight(kg)	33.0±0.5kg
Dimension(L×W×H)(mm)	2017×1321×30mm
Cable(mm)	4mm², 0.2(+)/0.4(-)m(customized length based on needs)
Frame	anodized aluminum
Junction Box	IP68, 1500VDC, 4Diodes
Packaging configuration (40'Container; 17.5'Trailer)	36 pcs/pallet, 22 pallets/container, 792pcs/container 36 pcs. / pallet; 32pallet / Trailer; 1152pcs / Trailer



Electrical Data(STC)

Model	GSM-MH6/192 -BHDG550	GSM-MH6/192- BHDG555	GSM-MH6/192- BHDG560	GSM-MH6/192- BHDG565	GSM-MH6/192- BHDG570
Pmax(Wp)	550	555	560	565	570
Voc(V)	71.1	71.2	71.4	71.5	71.6
Isc(A)	9.85	9.88	9.89	9.91	9.92
Vmpp(V)	60.0	60.1	60.2	60.3	60.4
Impp(A)	9.17	9.24	9.31	9.37	9.44
Efficiency	20.64%	20.83%	21.02%	21.21%	21.39%

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

Electrical Characteristics(BSTC)

Model	GSM-MH6/192 -BHDG550	GSM-MH6/192 -BHDG555	GSM-MH6/192 -BHDG560	GSM-MH6/192 -BHDG565	GSM-MH6/192 -BHDG570
Pmax(Wp)	464	470	475	480	485
Voc(V)	54.72	54.75	54.78	54.81	54.84
Isc(A)	10.89	10.96	11.02	11.08	11.14
Vmpp(V)	45.46	45.71	45.97	46.22	46.47
Impp(A)	10.21	10.27	10.33	10.39	10.46
αIsc (%/K) : 0.04; βVoc (%/K) : -0.24; γPmp (%/K) : -0.26					

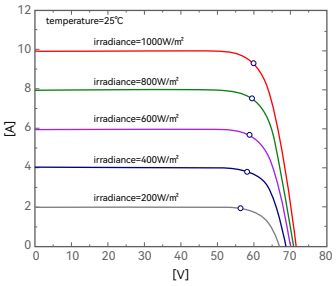
AM1.5, Front irradiance: 1000W/m2, Back irradiance: 135W/m2, Temperature=25℃, wind speed=1m/s

Working Condition

Maximum System Voltage	1500VDC
Operating Temperature	-40℃ ~ +85℃
Maximum Fuse Rating	30A
Rear Side Mechanical Load	2400Pa
Front Side Mechanical Load	5400Pa
NOCT	44±2℃
Fire Rating	Class A
Grounding Electric Conductivity	< 0.1Ω

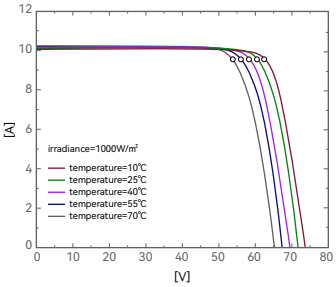
I-V Diagram

(Different Irradiance)



I-V Diagram

(Different Temperature)



Data Subject to Change Without notice GSM-MH6/192-BHDG570-EN-20220401 ©Copyright 2022 Grand Sunergy

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