

GSD7G72M

[535-555W]

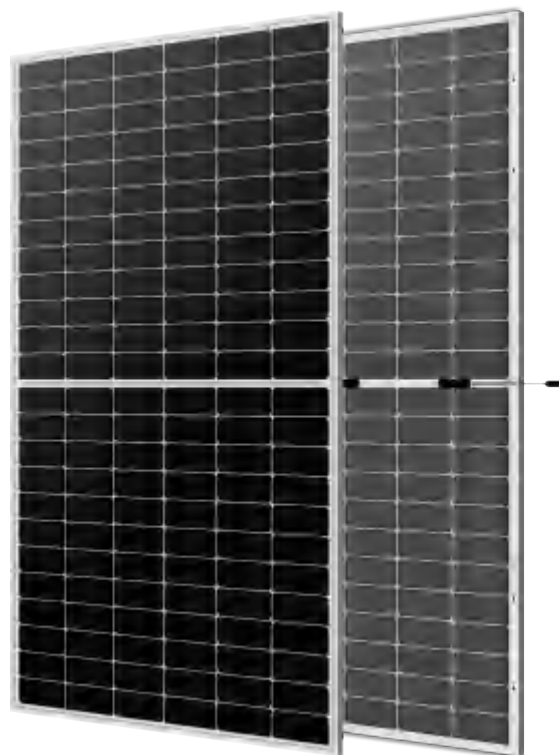
Bifacial Dual Glass 10BB Half-cut Mono Perc

IEC 61215 / IEC 61730 / UL 61730

ISO9001: 2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018: Occupational Health And Safety Management System



KEY FEATURES



10BB Half-cut Cell Technology

New circuit design, lower internal current, lower Rs loss dopped wafer



Significantly Lower The Risk Of Hot Spot

Special circuit design with much lower hot spot temperature



Double Power Output

For higher power output, backside power output can be increased 5-25%



Wider Application

No water-permeability and high wear-resistance, can be widely used in high-humid, windy and dusty area



PID Resistance

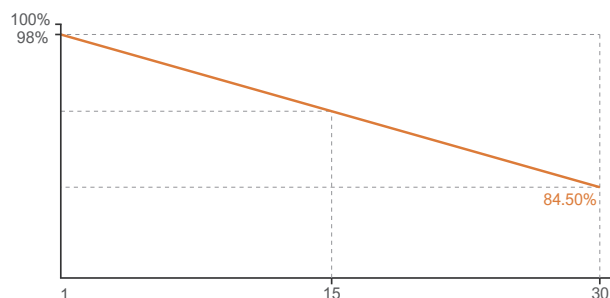
Excellent Anti-PID performance guarantee via optimized mass-production process and materials control

Guaranteed Power Performance

15 Years Product Warranty

30 Years Linear Power Warranty

0.45% Annual Degradation Over 30 Years



As different markets have different certification requirements, please consult our G-Star sales group to obtain the corresponding certification for the local market. If any special requirements are needed for the specific installing environment, please feel free to contact G-star technical support department anytime.

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Weight

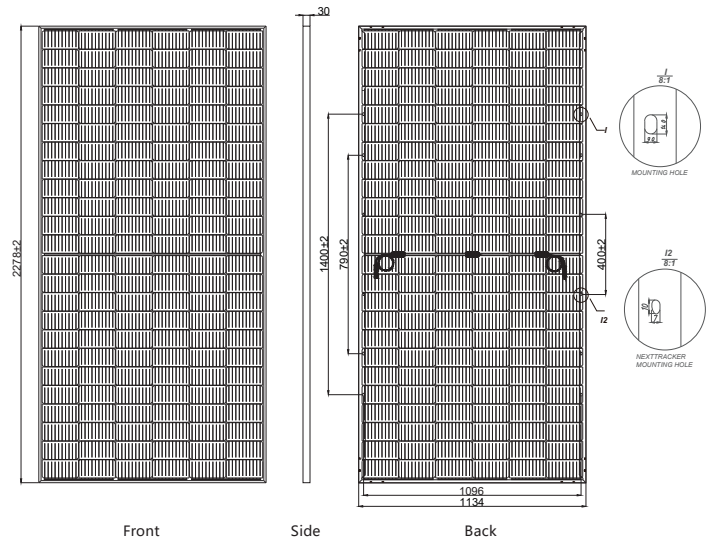
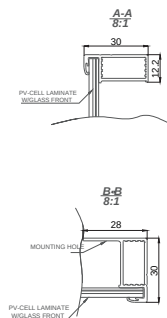
31.8kg

Dimensions

2278*1134*30mm

Packaging

36pcs/pallet,720pcs/ 40'HQ Container
576pcs/ 40'HQ Container(USA)



OPERATING CONDITIONS

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V/DC
Maximum Series Fuse Rating	30A
Power Tolerance	0~3%
Temperature Coefficients Of Pmax	-0.35%/°C
Temperature Coefficients Of Voc	-0.26%/°C
Temperature Coefficients Of Isc	0.048%/°C
Nominal Module Operating Temperature(NMOT)	43±2°C
*Under STC :BACKside Output Ration =Pmax(rear)/Pmax(front) 70%±5%	

M ECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 182*91mm
No. Of Cells	144 pcs in series (6*24)
Front Glass	2.0mm AR Coating Semi-tempered Glass
Back Glass	2.0mm Glazed Semi-tempered Glass
Frame	Anodized Aluminium Alloy,silver or black
Junction Box	IP68 , 3 Bypass Diodes
Output Cables	300mm in legh or Customized Length
Connectors	MC4/MC4-EVO2/compatible MC4
Mechanical Load	5400Pa(Front)/2400Pa(Back)

ELECTRICAL PARAMETERS AT STC

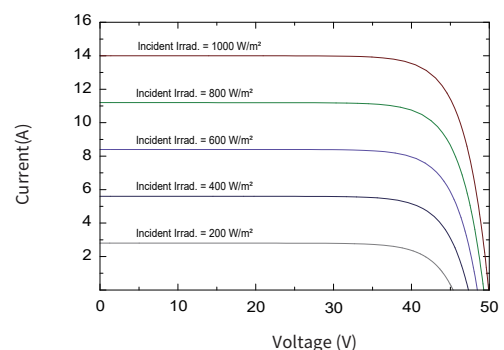
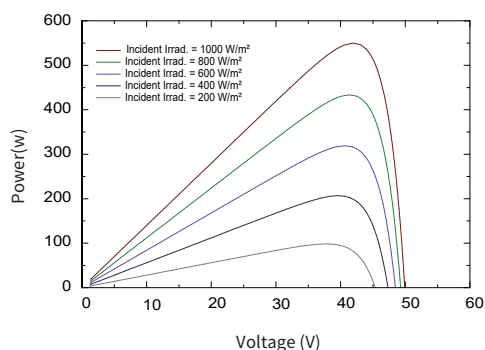
Module Type	GSD7G72M-535WT	GSD7G72M-540WT	GSD7G72M-545WT	GSD7G72M-550WT	GSD7G72M-555WT
Maximum Power(Pmax)	535	540	545	550	555
Maximum Power Voltage (Vmp)	41.48	41.64	41.80	41.96	42.12
Maximum Power Current (Imp)	12.90	12.97	13.04	13.11	13.18
Open-Circuit Voltage (Voc)	49.46	49.60	49.76	49.92	50.08
Short-Circuit Current (Isc)	13.70	13.86	13.93	14.00	14.07
Module Efficiency STC (%)	20.71%	20.90%	21.10%	21.29%	21.48%
STC: Irradiance 1000W/m²,AM=1.5, Cell temperature 25°C.					

ELECTRICAL PARAMETERS AT BSTC**

Maximum Power(Pmax)	585	590	595	600	605
Maximum Power Voltage (Vmp)	41.46	41.64	41.79	41.96	42.12
Maximum Power Current (Imp)	14.11	14.17	14.24	14.30	14.37
Open-Circuit Voltage (Voc)	49.46	49.60	49.76	49.92	50.08
Short-Circuit Current (Isc)	15.17	15.35	15.42	15.50	15.58
Module Efficiency BSTC (%)	22.65%	22.84%	23.03%	23.23%	23.42%

**BSTC: Front side irradiation 1000W/m², Back side reflection irradiation 135W/m²,AM=1.5, Cell temperature 25°C.

IV-CURVE



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