

JUPITER GSP7F72M [530-550W]

Single 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 doped wafer



Significantly Lower The Risk Of Hot Spot

Special circuit design with much lower hot spot temperature



PID Resistance

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



Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snowload(5400 Pascal)



IP68 Junction Box

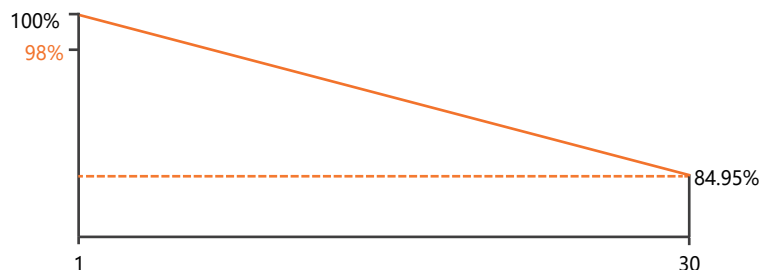
High waterproofing level

Guaranteed Power Performance

25 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.

GSP7F72M

530-550W

Single Glass 10BB Half-cut Mono Perc

Weight

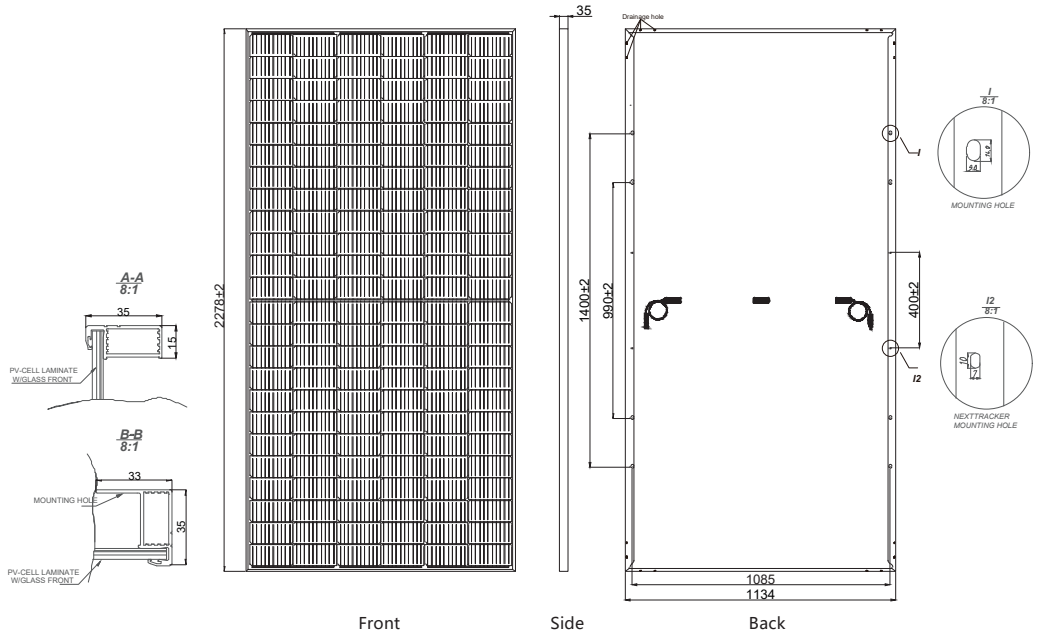
28kg

Dimensions

2278*1134*35mm

Packaging

31pcs/pallet,620pcs/ 40'HQ Container
620pcs/ 40'HQ Container(USA)



OPERATING CONDITIONS

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V/DC(IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0~+3%
Safety Protection Class	Class II
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

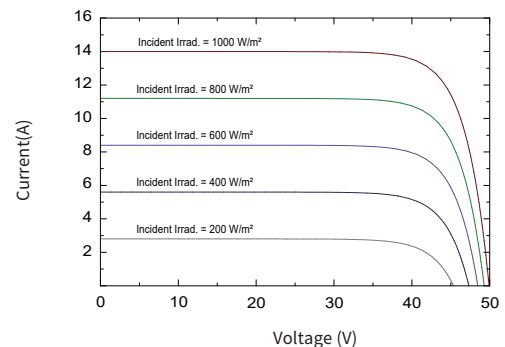
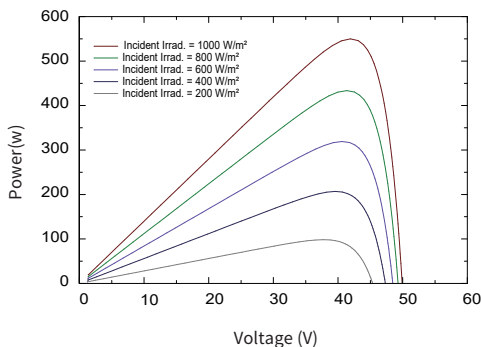
MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 182*91 mm
No. Of Cells	144 pcs in series (6x24)
Front Glass	3.2mm Coated Tempered Glass
Backsheet	Color: Silver
Frame	Anodized Aluminium Alloy
Junction Box	IP68,3 Bypass Diodes
Output Cables	300mm in length or Customized Length
Connectors	MC4/MC4-EVO2
Mechanical Load	5400Pa(Front)/2400Pa(Back)

ELECTRICAL PARAMETERS AT STC & NMOT

Testing Condition	GSP7F72M-530W		GSP7F72M-535W		GSP7F72M-540W		GSP7F72M-545W		GSP7F72M-550W	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power(Pmax)	530Wp	395Wp	535Wp	398Wp	540Wp	402Wp	545Wp	406Wp	550Wp	410Wp
Maximum Power Voltage (Vmpp)	41.32V	38.60V	41.48V	38.70V	41.64V	38.80V	41.80V	39.00V	41.96V	39.10V
Maximum Power Current (Impp)	12.83A	10.24A	12.90A	10.30A	12.97A	10.36A	13.04A	10.41A	13.11A	10.47A
Open-Circuit Voltage (Voc)	49.32V	46.40V	49.46V	46.50V	49.60V	46.70V	49.76V	46.80V	49.92V	47.00V
Short-Circuit Current (Isc)	13.72A	11.06A	13.79A	11.12A	13.86A	11.17A	13.93A	11.23A	14.00A	11.28A
Module Efficiency STC (%)	20.52%		20.71%		20.90%		21.10%		21.29%	

IV-CURVE



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*STC: Irradiance 1000W/m²
NMOT: Irradiance 800W/m²



Cell Temperature 25°C
Ambient Temperature 20°C



AM=1.5
AM=1.5



Wind Speed 1m/s
Wind Speed 1m/s

Due to ongoing innovation, R&D enhancement, the specification and key features described in this datasheet may deviate slightly and are not guaranteed. G-Star reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.