

# JUPITER GSP6F72M [435-455W]

Single Glass 9BB 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



### 9BB 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

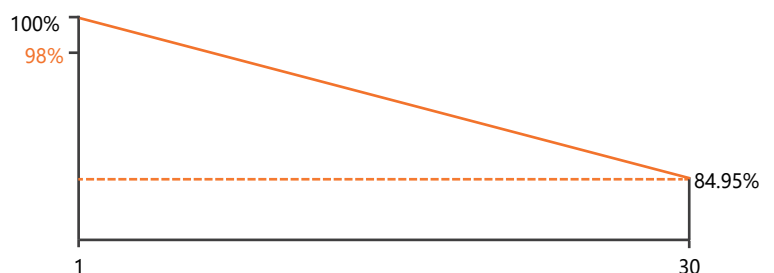
High waterproofing level

## 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.

GSP6F72M

# 435-455W

Single Glass 9BB Half-cut Mono Perc

## Weight

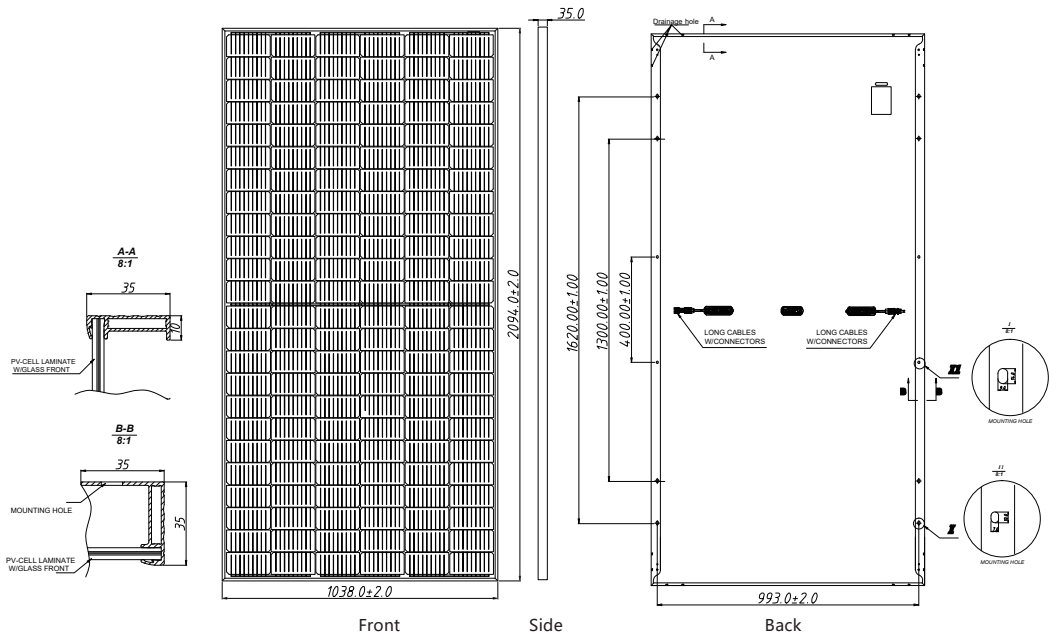
23.5kg

## Dimensions

2094\*1038\*35mm

## Packaging

31pcs/pallet, 715pcs/ 40'HQ Container  
682pcs/ 40'HQ Container(USA)



## OPERATING CONDITIONS

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V/DC(IEC)
Maximum Series Fuse Rating	20A
Power Tolerance	0~+3%
Safety Protection Class	Class II
Temperature Coefficients Of Pmax	-0.36%/°C
Temperature Coefficients Of Voc	-0.26%/°C
Temperature Coefficients Of Isc	+0.043%/°C
Nominal Module Operating Temperature (NMOT)	43±2°C

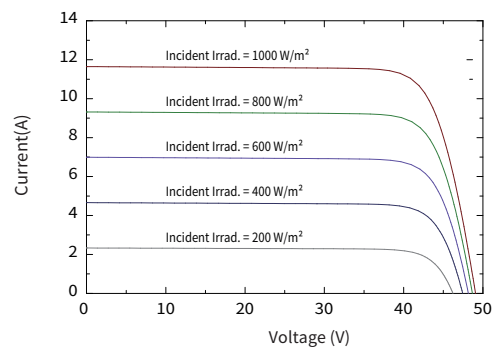
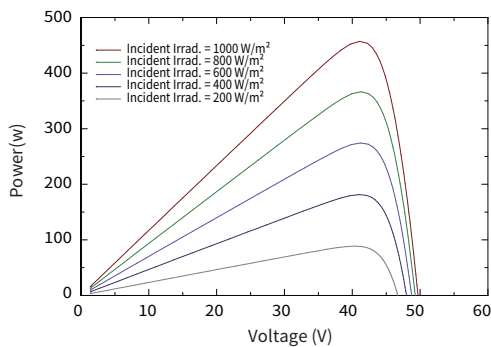
## MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 166*83 mm
No. Of Cells	144 pcs in series (6x24)
Front Glass	3.2mm Coated Tempered Glass
Backsheet	Color: White
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	GSP6F72M-435W		GSP6F72M-440W		GSP6F72M-445W		GSP6F72M-450W		GSP6F72M-455W	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power(Pmax)	435Wp	324Wp	440Wp	328Wp	445Wp	332Wp	450Wp	335Wp	455Wp	339Wp
Maximum Power Voltage (Vmpp)	40.30V	37.60V	40.50V	37.80V	40.70V	38.00V	40.90V	38.20V	41.10V	38.40V
Maximum Power Current (Impp)	10.80A	8.62A	10.87A	8.67A	10.94A	8.73A	11.01A	8.78A	11.08A	8.84A
Open-Circuit Voltage (Voc)	49.00V	45.60V	49.20V	45.80V	49.40V	46.00V	49.60V	46.20V	49.80V	46.40V
Short-Circuit Current (Isc)	11.33A	9.15A	11.40A	9.20A	11.47A	9.26A	11.54A	9.32A	11.61A	9.37A
Module Efficiency STC (%)	20.01%		20.24%		20.47%		20.70%		20.93%	

## IV-CURVE



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\*STC: Irradiance 1000W/m<sup>2</sup>  
NMOT: Irradiance 800W/m<sup>2</sup>



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.