

# JUPITER GSP7G54M-410BB

Single Glass 10BB Half-cut Mono Perc - Full Black

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



### Full Black Design

More beautiful appearance, greatly improve the decorative effect



### PID Resistance

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



### Enhanced Mechanical Load

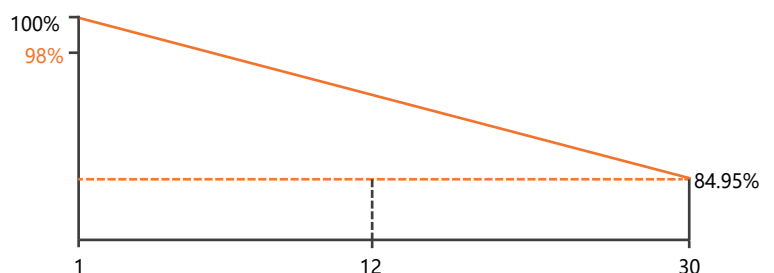
Certified to withstand: wind load (2400 Pascal) and snowload(5400 Pascal)

## Guaranteed Power Performance

**12** 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.

## GSP7G54M

# 390-410BB

Single Glass 10BB Half-cut Mono Perc - Full Black

### Weight

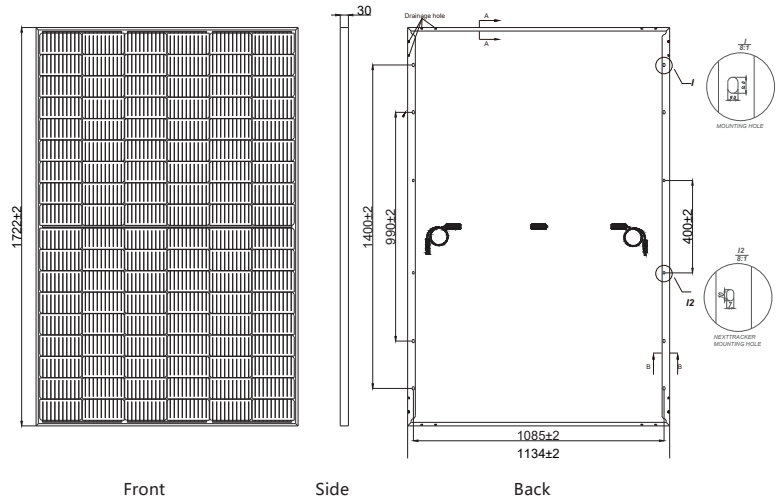
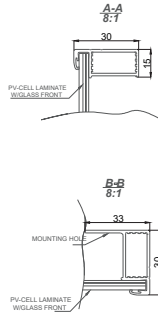
21.5kg

### Dimensions

1722\*1134\*30mm

### Packaging

36pcs/pallet,936pcs/ 40'HQ Container  
828pcs/ 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        |

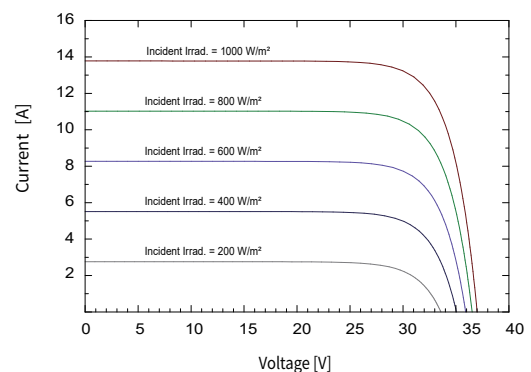
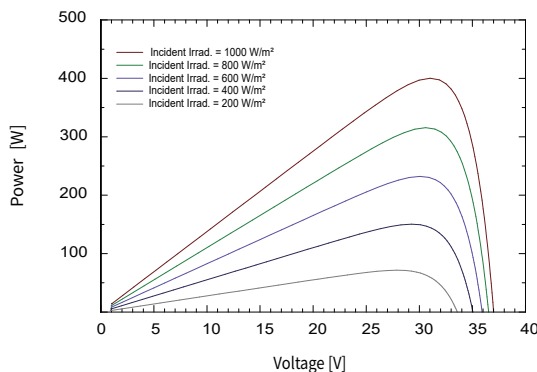
## MECHANICAL CHARACTERISTICS

|                 |                                      |
|-----------------|--------------------------------------|
| Cell Type       | Monocrystalline 182*91 mm            |
| No. Of Cells    | 108 pcs in series (6x18)             |
| Front Glass     | 3.2mm Coated Tempered Glass          |
| Backsheet       | Color: Black                         |
| Frame           | Black Frame                          |
| 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            | GSP7G54M-390BB |        | GSP7G54M-395BB |        | GSP7G54M-400BB |        | GSP7G54M-405BB |        | GSP7G54M-410BB |        |
|------------------------------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|----------------|--------|
|                              | STC            | NMOT   | STC            | NMOT   | STC            | NMOT   | STC            | NMOT   | STC            | NMOT   |
| Maximum Power(Pmax)          | 390Wp          | 291Wp  | 395Wp          | 294Wp  | 400Wp          | 298Wp  | 405Wp          | 302Wp  | 410Wp          | 306Wp  |
| Maximum Power Voltage (Vmpp) | 30.65V         | 28.6V  | 30.85V         | 28.8V  | 31.05V         | 29.0V  | 31.24V         | 29.2V  | 31.43V         | 29.3V  |
| Maximum Power Current (Impp) | 12.73A         | 10.18A | 12.81A         | 10.23A | 12.89A         | 10.30A | 12.97A         | 10.36A | 13.05A         | 10.42A |
| Open-Circuit Voltage (Voc)   | 36.50V         | 34.4V  | 36.75V         | 34.6V  | 37.00V         | 34.8V  | 37.25V         | 35.1V  | 37.50V         | 35.3V  |
| Short-Circuit Current (Isc)  | 13.61A         | 10.97A | 13.69A         | 11.04A | 13.78A         | 11.11A | 13.86A         | 11.17A | 13.94A         | 11.24A |
| Module Efficiency STC (%)    | 19.97%         |        | 20.23%         |        | 20.48%         |        | 20.74%         |        | 21.00%         |        |

## 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.