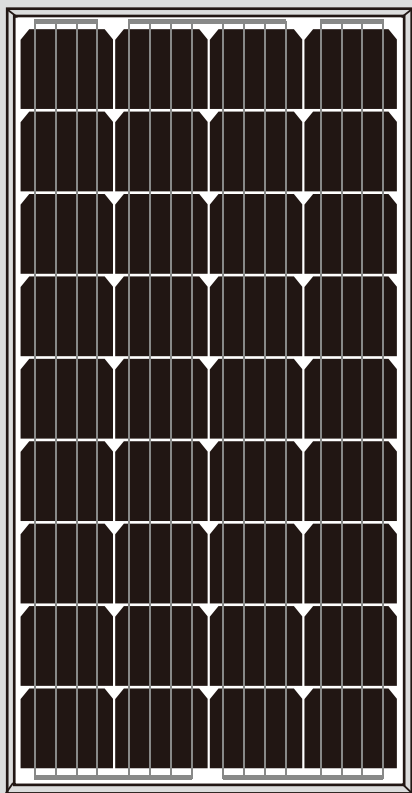


## MONOCRYSTALLINE SILICON MODULE



Add: CuiBei Industrial Park, Henglin Town, Wujin District, Changzhou City, Jiangsu Province, China.

Tel: +86-519-85260699

Fax: +86-519-85260299

Email: Info@gsunp.com

Web Site: www.gsunp.com

# GSUNpower

WWW.GSUNP.COM

## 6M-135 6M-140 6M-145 MONOCRYSTALLINE SILICON MODULE

### Products Characteristics



Widely using of the most popular and mature type of modules for off-grid system.



Leading manufacturing technology in PV industry, strictly controlling the quality of raw materials and the process of producing



100% EL inspection, ensures modules are defects free.



Cells binned by current to improve module performance



Anti reflective glass. Not only to increase the light absorption, but also to make the module has the function of self-cleaning in water environment, effectively reducing the power loss caused by dust.



Outstanding performance in low-light irradiance environments.



Excellent mechanical load resistance: Certified to withstand high wind loads(2400pa) and snow loads(5400pa).



High salt and ammonia resistance



Positive power tolerance: 0~+5w

### Warranty

- 10 years product warranty
- 10-years 90% of Min. rated output power, and 25-years 80% of Min. rated output power warranty

### Comprehensive Certificates

- ISO Certificate
- SGS-TUV Certificate
- CQC Certificate
- IEC61215、IEC61730 Certificate
- CE Certificate

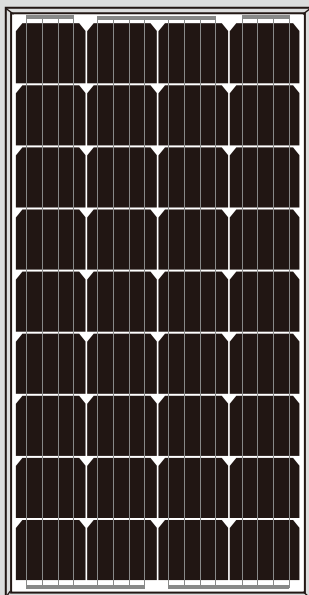
Specifications subject to technology and test conditions,  
GSUN Power reserves the right of final interpretation

# 6M-135

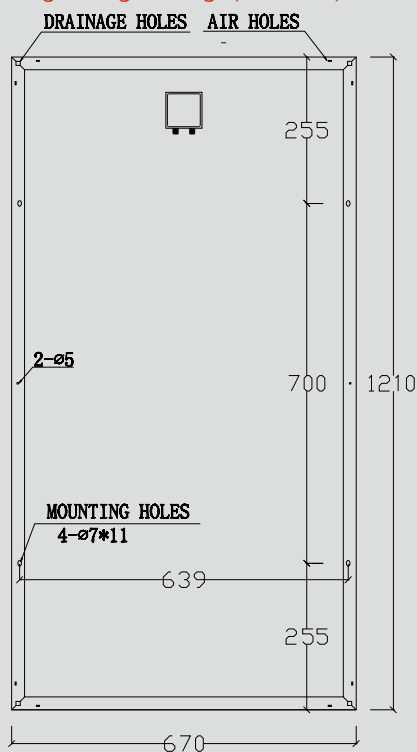
# 6M-140 6M-145

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Engineering Drawings (Front Side)



Engineering Drawings (Back Side)



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## Raw materials and Mechanical Parameters

|                              | 6M-135  | 6M-140 | 6M-145 |
|------------------------------|---|--------|--------|
| Type of Cells(mm)            | mono156.75 × 125.4                            |        |        |
| NO. of Cells and Connections | 4 × 9=36                                      |        |        |
| Dimensions(mm)(L*W*H)        | 1210 × 670 × 30                               |        |        |
| Weight(kg)                   | 9.1   |        |        |
| Glass                        | 3.2mm Tempered Glass                          |        |        |
| Encapsulation                | EVA   |        |        |
| Backsheet                    | Multilayer Composite                          |        |        |
| Aluminium-Frame              | Silvery/Black Anodized aluminium alloy        |        |        |
| Junction-Box                 | IP65/IP67                                     |        |        |
| Cable                        | NA, but customized is acceptable              |        |        |
| Connector                    | NA, but MC4 and MC4 Compatible are acceptable |        |        |
| Package Configuration        | 4pcs/ctn                                      |        |        |

## Performance Parameters

|   | 6M-135    | 6M-140 | 6M-145 |
|---|-----------|--------|--------|
| Maximum System Voltage                            | 700V      |        |        |
| Operating Temperature                             | -45~+80°C |        |        |
| Maximum Series Fuse                               | 10A       |        |        |
| Maximum Static Load, Front Side (e.x. Snow, Wind) | 5400Pa    |        |        |
| Maximum Static Load, Back Side (e.x. Wind)        | 2400Pa    |        |        |
| Application Grade                                 | Class A   |        |        |

## Electrical Parameters (Standard Test Condition)

|                                | 6M-135   | 6M-140 | 6M-145 |
|--------------------------------|--|--------|--------|
| Rated Maximum Power(Mp)        | 135W   | 140W   | 145W   |
| Power Tolerance                | 0~ +5W   |        |        |
| Cell Efficiency                | 19.5%  | 20.3%  | 21.1%  |
| Open Circuit Voltage(Voc)      | 22.7V  | 22.8V  | 22.9V  |
| Maximum Power Voltage(Vmp)     | 18.6V  | 18.8V  | 19.1V  |
| Short Circuit Current(Isc)     | 7.69A  | 7.89A  | 8.05A  |
| Maximum Power Current(Imp)     | 7.26A  | 7.45A  | 7.59A  |
| Temperature Coefficient of Isc | +0.06%   |        |        |
| Temperature Coefficient of Voc | -0.32%   |        |        |
| Temperature Coefficient of Pmp | -0.45%   |        |        |
| Standard Test Condition        | Irradiance: 1000W/M2, Cell Temperature: 25°C, Spectrum AM: 1.5 |        |        |

The Electrical Parameters of the module are the average theory figure under the standard test condition, each one exists difference. Can not be treated as the basis of module delivery.