



**Key Features**

**Version:2017(A)**

- ★ High cell's efficiency with high quality silicon material for long term output stability and reliability
- ★ Rigorous quality control to meet highest international standards
- ★ High transmittance, low iron tempered glass cover with enhanced stiffness and impact resistance
- ★ Outstanding electrical performance under high temperature and low irradiance ,cloudy weather conditions
- ★ Unique frame design with high mechanical strength for easy installation
- ★ Advanced encapsulation material provide efficient protection from the severest environment conditions

**Applications**

- ★ Solar home system, Solar power plant and Other Solar system

**MECHANICAL PARAMETERS**

|                     |   |
|---------------------|---|
| Solar cell          | Monocrystalline solar cell                    |
| Front Cover         | 3.2mm tempered glass                          |
| Back Cover          | TPT (Tedlar-PRT-Tedlar)                       |
| Encapsulate         | EVA(ethylene vinyl acetate)                   |
| Frame               | Double-layer anodized aluminum alloy          |
| Junction Box        | IP65  |
| Cables / Connectors | MC4 connectors, 4mm <sup>2</sup> x900mm Cable |
| Dimensions(mm)      | 1956x992x40                                   |
| Weight(kg)          | 23.5  |

|                        |          |
|------------------------|----------|
| Maximum System Voltage | 1000V DC |
| Operating Temperature  | -40℃~85℃ |
| Storage Temperature    | -40℃~85℃ |
| Maximum Wind Load      | 2400Pa   |
| Maximum Snow Load      | 5400Pa   |
| Application Class      | Class A  |

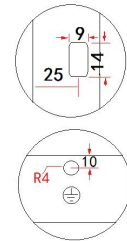
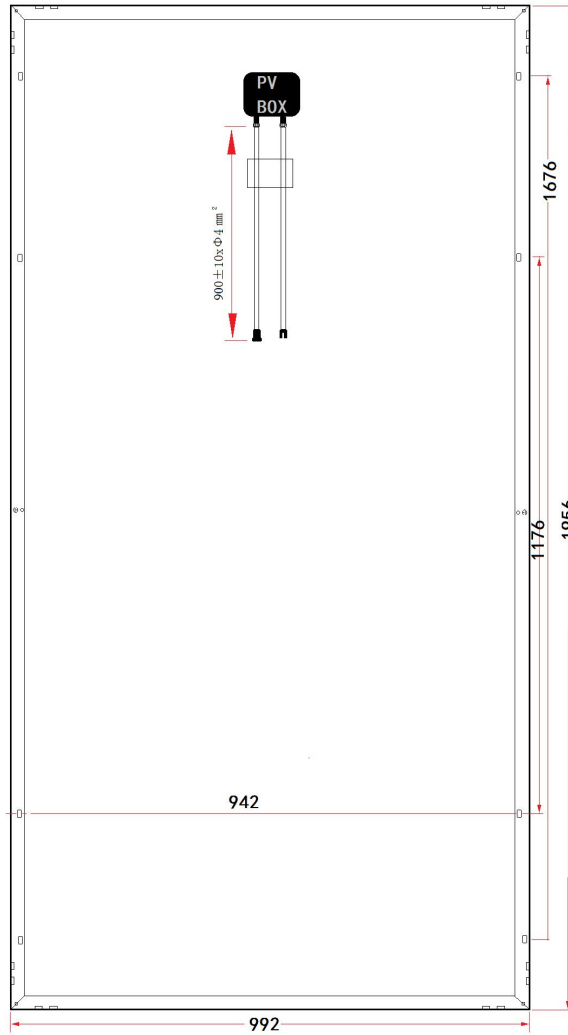
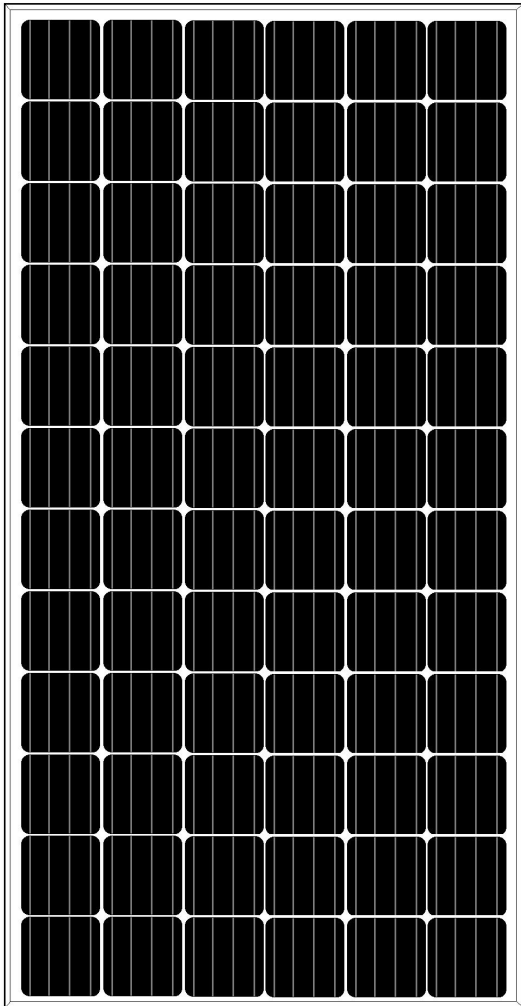
**ELECTRICAL PARAMETERS**

| Series Number   | GSPV-320W<br>(156M4)72 | GSPV-325W<br>(156M4)72 | GSPV-330W<br>(156M4)72 | GSPV-335W<br>(156M4)72 |
|---|------------------------|------------------------|------------------------|------------------------|
| Cell Type   | Mono                   |                        |                        |                        |
| Max power   | 320w                   | 325w                   | 330w                   | 335w                   |
| Power Tolerance   | 0~5w                   |                        |                        |                        |
| Nominal Voltage(V)  | 37.65                  | 37.88                  | 38.02                  | 38.2                   |
| Nominal Current(A)  | 8.50                   | 8.58                   | 8.68                   | 8.77                   |
| Open circuit voltage(V)   | 45.4                   | 45.5                   | 45.8                   | 46.0                   |
| Short circuit current(A)  | 9.11                   | 9.20                   | 9.28                   | 9.38                   |
| Size of cell/strip(mm)  | 156.7x156.7            |                        |                        |                        |
| Number of cell/strip  | 72(6x12)               |                        |                        |                        |
| Effi. Of cell   | >4.5w                  | >4.6w                  | >4.6w                  | >4.7w                  |
| FF(fill factor)%  | 77.45                  | 77.61                  | 77.65                  | 77.68                  |
| NOCT  | 45℃±2℃                 |                        |                        |                        |
| Temperature<br>Co-efficient   | Power                  | +0.049% /℃             |                        |                        |
|   | Voltage                | -0.340% /℃             |                        |                        |
|   | Current                | -0.430% /℃             |                        |                        |
| STC :Irradiance 1000w/m <sup>2</sup> , Module temperature 25℃ ,AM=1.5 |                        |                        |                        |                        |

**WARRANTY**

|  |
|--|
| 10years on material on workmanship               |
| 10years with 90% output, 20years with 80% output |

### Structure Diagram



### View Of Workshop

