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**Solar Panel Guide**

**Specification Data Sheet**

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# SOLAR PANEL

## SP200W-18V/36V MONOCRYSTALLINE

### Key features:



#### PID Free Module:

Anti-PID cell and encapsulation technology  
Frameless module requires no module grounding which may PID



#### Higher Lifetime Power Yield:

<0.5% annual power degradation  
30 year linear power warranty



#### Saving BOS Cost:

Designed for high voltage systems of up to 1500 VDC, saving BOS cost



#### Improved Durability and Reliability:

Dual glass reduces micro-cracking, snail trails, corrosion caused by moisture, sand, salt mist, acid, alkali, etc.



#### Less Maintenance Requirement:

Reduced soiling and snow coverage requires less maintenance and enhances fire safety



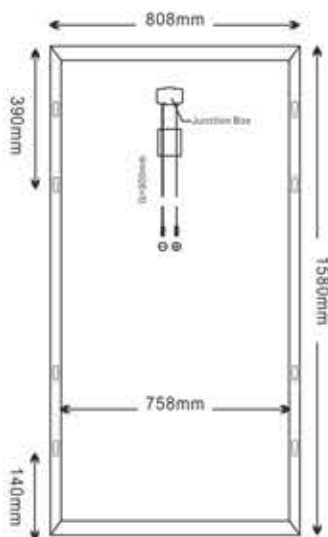
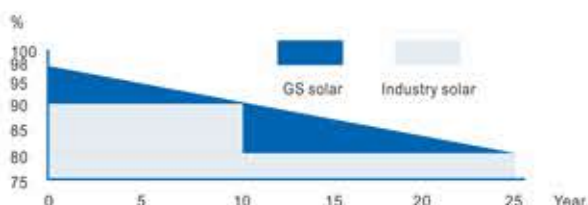
#### Aesthetically Pleasing Design:

White back sheet maximizes module efficiency up to 16.84% (60-poly max. output 275W); Transparent back sheet increases light transmission, ideal for installations requiring light to pass through



#### Strengthened Mechanical Support:

5400 Pa snow load, 2400 Pa wind load



Module Diagram

## Module Models

### Electrical Specifications

| Model                      | SP200W-18V/36V |
|----------------------------|----------------|
| Peak power(Pmax)           | 200W           |
| Cell Efficiency            | 16.93%         |
| Max. power volt.(Vmp)      | 35.8V          |
| Max. power current(Imp)    | 5.59A          |
| Open circuit volt.(Voc)    | 44V            |
| Short circuit current(Isc) | 6.08A          |
| Power Tolerance            | ±3%            |
| Max. system voltage        | 1000V          |
| Series fuse rating(A)      | 10             |
| Number of bypass diode     | 6              |
| Operating temperature      | -4°C to +85°C  |
| Maximum system voltage     | 1000V DC       |

STC: Irradiance 1000W/m<sup>2</sup>, Module temperature 25°C, AM=1.5

### Mechanical Characteristics

| Dimensions  | 1580*808*35mm                                  |
|-------------|------------------------------------------------|
| Weight      | 12.9kg                                         |
| Solar Cells | 72 cell in series                              |
| Cable       | LAPP (4mm <sup>2</sup> )                       |
| lengths     | 900mm(-) and 900mm(+)                          |
| Connector   | Mc4 Plug Type                                  |
| Glass type  | High transmits, Low Iron, 3.2mm Tempered Glass |
| Frame       | Aluminium-alloy                                |