

# SOLAR PANEL

## SP300W-36V MONO & POLYCRYSTALLINE

### 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, corrosions caused by moisture, sand, salt mist, acid, alkali, etc.



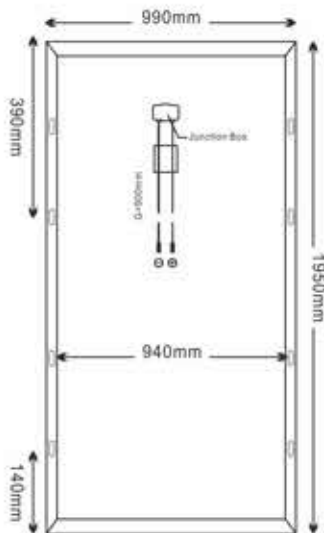
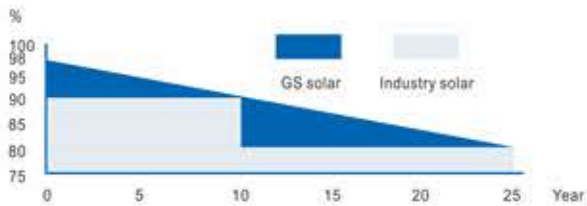
**Less Maintenance Requirement:**  
Reduced soiling and snow coverage requires less maintenance and enhances fire safety



**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	SP320W-36V
Peak power(Pmax)	320W
Cell Efficiency	17.04%
Max. power volt.(Vmp)	36V
Max. power current(Imp)	8.93A
Open circuit volt.(Voc)	45V
Short circuit current(Isc)	9.61A
Power Tolerance	±3%
Max. system voltage	1000V
Series fuse rating(A)	15
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	1950*990*40mm
Weight	21.4kg
Solar Cells	72 cell in series
Cable	LAPP (4mm <sup>2</sup> )
lengths	900mm(-) and 900mm(+)
Connector	Mc4 Plug Type
Glass type	
Frame	Aluminium-alloy