

# SP250W-30V

## MONO & POLYCRYSTALLINE

### Key features:



**PID Free Module:**  
Anti-PID cell and encapsulation technology.  
Practical module requires no module grounding which may PID.



**Higher Lifetime Power Yield:**  
+1.5% 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, and heat & corrosion resistance.  
Moisture, sand, salt, acid, alkali, etc.



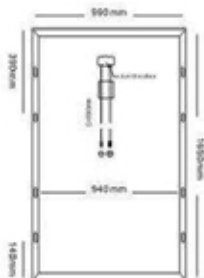
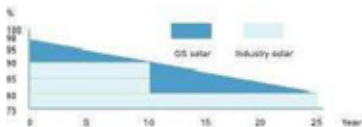
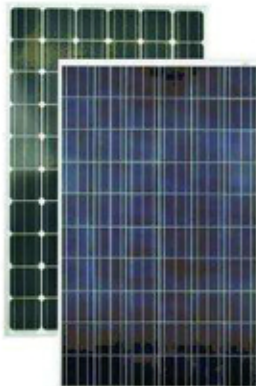
**Less Maintenance Requirement:**  
Reduced wiring and wire coverage requires less maintenance and enhances fire safety.



**Aesthetically Pleasing Design:**  
White back sheet increases module efficiency up to 3% (M-JEOL poly mono, output 275W). Transparent back sheet increases light transmission, ideal for installation requiring light to pass through.



**Strengthened Mechanical Support:**  
2400Pa snow load, 2400Pa wind load



Module Diagram

## Module Models

### Electrical Specifications

Model	SP250W-30V
Peak power (P <sub>max</sub> )	250W
Cell Efficiency	16.95%
Max. power volt. (V <sub>mp</sub> )	30V
Max. power current (I <sub>mp</sub> )	8.34A
Open circuit volt. (V <sub>oc</sub> )	36.8V
Short circuit current (I <sub>sc</sub> )	9A
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	1650*990*40mm
Weight	17.05kg
Solar Cells	60 cells 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	Aluminum-alloy