



SP150W-18V

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 h gh 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, etc., etc.



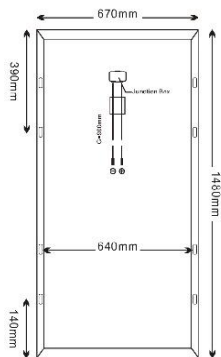
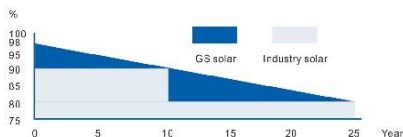
Less Maintenance Requirement:
Reduced soiling and snow coverage requires less maintenance and enhances fire safety.



Aesthetically Pleasing Design:
white back sheet increases module efficiency up to 1%, 34% (mono-poly max. output 275W); Translucent 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	SP150W-18V
Peak power(Pmax)	150W
Cell Efficiency	17.45%
Max. power volt.(Vmp)	17.8V
Max. power current(Imp)	8.43A
Open circuit volt.(Voc)	21.8V
Short circuit current(Isc)	9.08A
Power Tolerance	±3%
Max. system voltage	1000V
Series fuse rating(A)	15
Number of bypass diode	4
Operating temperature	-40°C to +85°C
Maximum system voltage	1000V DC

STC: Irradiance 1000W/m², Module temperature 25°C, AM=1.5

Mechanical Characteristics	
Dimensions	1480*670*35mm
Weight	10.4kg
Solar Cells	36 cell in series
Cable	LAPP (4mm²)
lengths	900mm(-) and 900mm(+)
Connector	Mc4 Plug Type
Glass type	High transmits, Low Iron, 3.2mm Tempered Glass
Frame	Aluminium-alloy