

SOLAR PANEL



SP400W-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, corrossions caused by moisture, sand, salt mist, acid, alkali, etc.



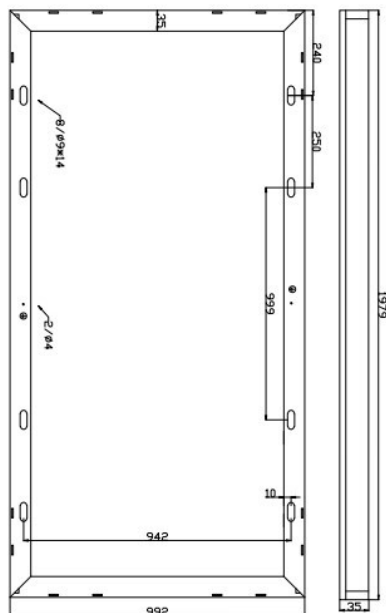
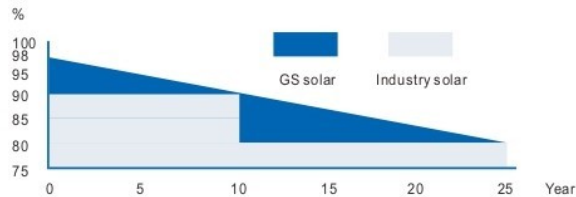
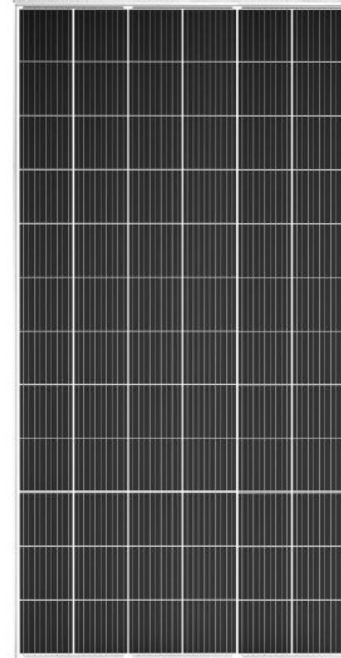
Less Maintenance Requirement:
Reduced soiling and snow coverage requires less maintenance and enhances fire safety



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	SP400W-36V
Peak power(Pmax)	400W
Cell Efficiency	20%
Max. power volt.(Vmp)	40.85V
Max. power current(Imp)	9.80A
Open circuit volt.(Voc)	49.88V
Short circuit current(Isc)	10.54A
Power Tolerance	±3%
Max. system voltage	1000V
Series fuse rating(A)	15
Number of bypass diode	3
Operating temperature	-40°C to +85°C
Maximum system voltage	1000V DC
STC: Irradiance 1000W/m ² , Module temperature 25°C, AM=1.5	
Mechanical Characteristics	
Dimensions	1979*992*35mm
Weight	21.4KG
Solar Cells	72 cell in series
Cable	LAPP (4mm ²)
lengths	900mm (-) and 900mm(+)
Connector	Mc4 Plug Typs
Glass type	High transmits, Low Iron, 3.2mm Tempered Glass
Frame	Aluminium-alloy