

SOLAR PANEL

SP120W-18V MONO CRYSTALLINE

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 1000 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.



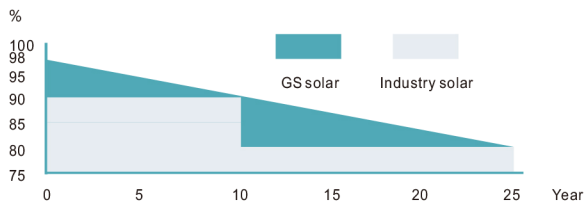
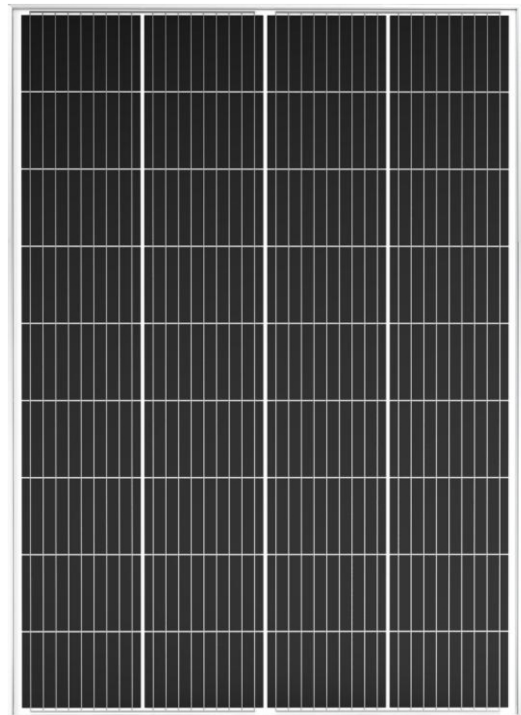
Less Maintenance Requirement:
Reduced soiling and snow coverage requires less maintenance and enhances fire safety



Aesthetically Pleasing Design:
white back sheet maximizes module efficiency up to 19.5%;
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 Models

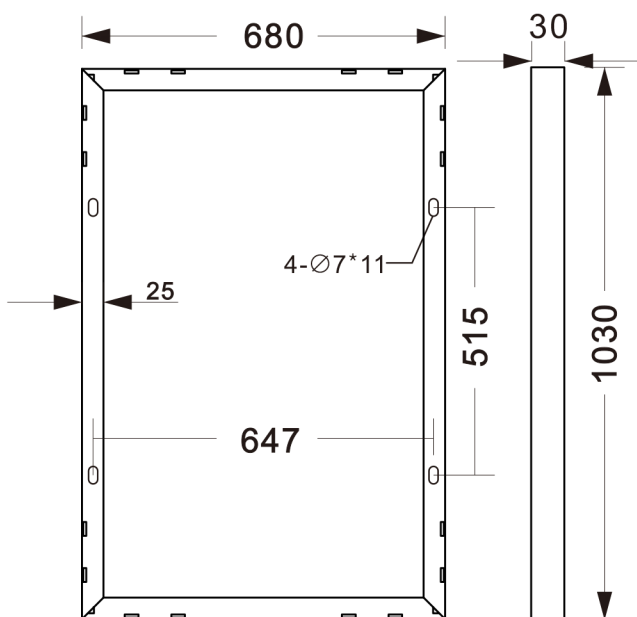
Electrical Specifications

Model	SP120W-18V
Peak power(Pmax)	120W
Cell Efficiency	20%
Max. power volt.(Vmp)	17.8V
Max. power current(Imp)	6.86A
Open circuit volt.(Voc)	21.8V
Short circuit current(Isc)	7.43A
Power Tolerance	±3%
Max. system voltage	1000V
Series fuse rating(A)	15
Number of bypass diode	1
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	1030*680*30mm
Weight	7.9kg
Solar Cells	36 cell in series
Cable	NO
lengths	NO
Connector	NO
Glass type	High transmits, Low Iron, 3.2mm Tempered Glass
Frame	Aluminium-alloy



SOLAR PANEL

SP380W-36V MONO CRYSTALLINE

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 1000 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.



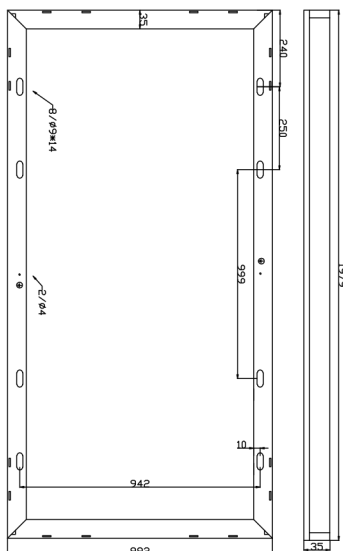
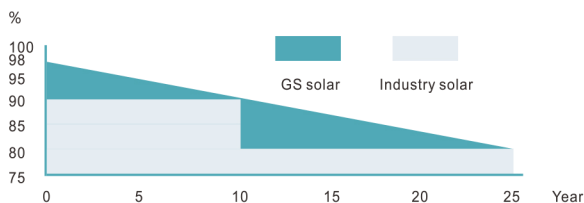
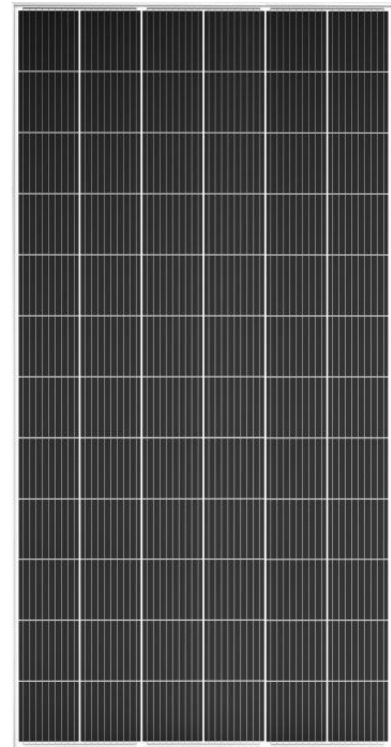
Less Maintenance Requirement:
Reduced soiling and snow coverage requires less maintenance and enhances fire safety



Aesthetically Pleasing Design:
White back sheet maximizes module efficiency up to 19.5%
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	SP380W-36V
Peak power(Pmax)	380W
Cell Efficiency	20%
Max. power volt.(Vmp)	40.15V
Max. power current(Imp)	9.47A
Open circuit volt.(Voc)	49.4V
Short circuit current(Isc)	10.2A
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/m², 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 Type
Glass type	High transmits, Low Iron, 3.2mm Tempered Glass
Frame	Aluminium-alloy