

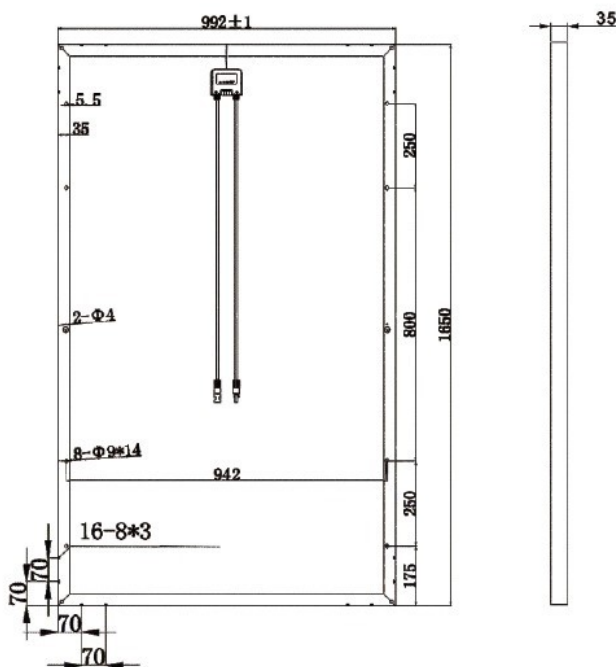
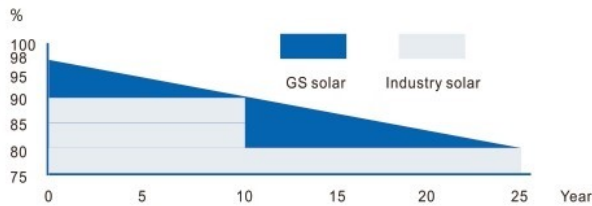
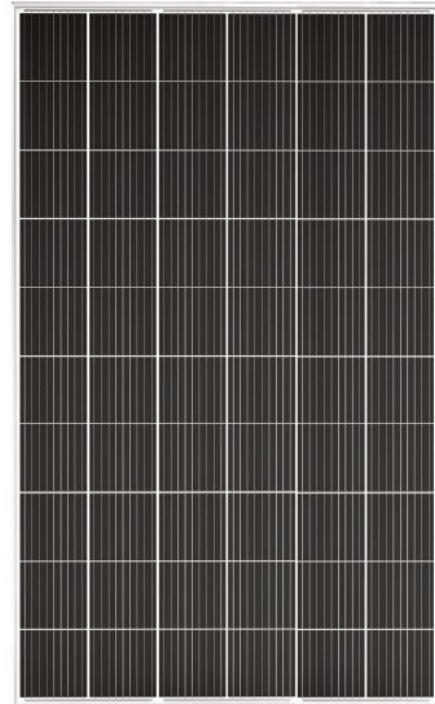
SOLAR PANEL



SP320W-30V MONO & POLYCRYSTALLINE

Key features:

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PID Free Module:
 Anti-PID cell and encapsulation technology
 Frameless module requires no module grounding which may PID
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Higher Lifetime Power Yield:
 <0.5% annual power degradation
 30 year linear power warranty
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Saving BOS Cost:
 Designed for high voltage systems of up to 1500 VDC, saving BOS cost
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Improved Durability and Reliability:
 Dual glass reduces micro-cracking, snail trails, corrosion caused by moisture, sand, salt mist, acid, alkali, etc.
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Less Maintenance Requirement:
 Reduced soiling and snow coverage requires less maintenance and enhances fire safety
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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
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Strengthened Mechanical Support:
 5400 Pa snow load, 2400 Pa wind load



Module Models

Electrical Specifications

Model	SP320W-30V
Peak power(Pmax)	320W
Cell Efficiency	20%
Max. power volt.(Vmp)	31.8V
Max. power current(Imp)	10.06A
Open circuit volt.(Voc)	38.16V
Short circuit current(Isc)	10.86A
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	1650*992*35mm
Weight	18.8KG
Solar Cells	60cell in series
Cable	Copper (4mm ²)
lengths	900mm(-) and 900mm(+)
Connector	Mc4 Plug Type
Glass type	High transmits, Low Iron, 3.2mm Tempered Glass
Frame	Aluminium-alloy