

SP300W-36V

MONO & POLYCRYSTALLINE

Key features:



PID Free Module:
Anti-PID cell and encapsulation technology
Frameless module requires no extra 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 1500VDC saving BOS cost



Improved Durability and Reliability:
Dual glass reduces module weight by 40% (vs. monocrystalline covered by monolayer, 50% vs. 80% BSL, 80% BSL, etc.)



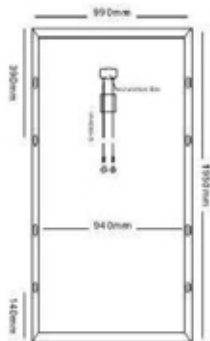
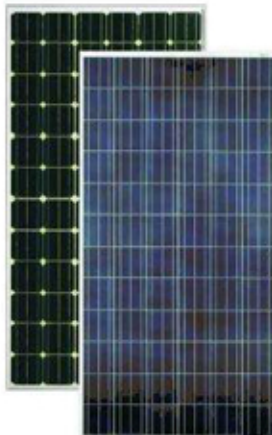
Less Maintenance Requirement:
Reduced soiling and anti-soiling coverage requires less maintenance and enhances the safety



Aesthetically Pleasing Design:
Anti-back sheet maximizes module output by up to 10.34% (vs. poly max. output 215W). Transparent back sheet increases light transmission, ideal for installations requiring light to pass through



Strengthened Mechanical Support:
400 Pa max load, 2400 Pa min d load



Module Diagram

Module Models

Electrical Specifications	
Model	SP320W-36V
Peak power(Pmax)	320W
Cell Efficiency	17.04%
Max. power volt.(Vmp)	36V
Max. power current(Imp)	8.93A
Open circuit volt.(Voc)	45V
Short circuit current(Isc)	9.61A
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/m², Module temperature 25°C, AM=1.5

Mechanical Characteristics	
Dimensions	1950*990*40mm
Weight	21.4kg
Solar Cells	72 cell in series
Cable	LAPP (4mm ²)
lengths	900mm(-) and 900mm(+)
Connector	Mc4 Plug Type
Glass type	
Frame	Aluminium-alloy