



SS 290W-320W P

Polycrystalline



High conversion efficiency
High module efficiency to guarantee power output.



Self-cleaning glass
Coating glass for self-cleaning, reduce surface dust.



Outstanding low irradiation performance
Excellent module efficiency even in the weak light conditions, such as morning or cloudy.



Excellent loading capability
2400Pa wind loads, 5400Pa snow loads.

0 to +5W

0 to +5W positive tolerance
Detailed information in Electrical Specifications.

48

48-hour response service



25 25-year performance warranty

10 10-year warranty on materials and workmanship

ALL SPECIFIED PARAMETERS ARE AT STC 25°C AMBIENT, 1000W/M² IRRADIANCE AND AM 1.5

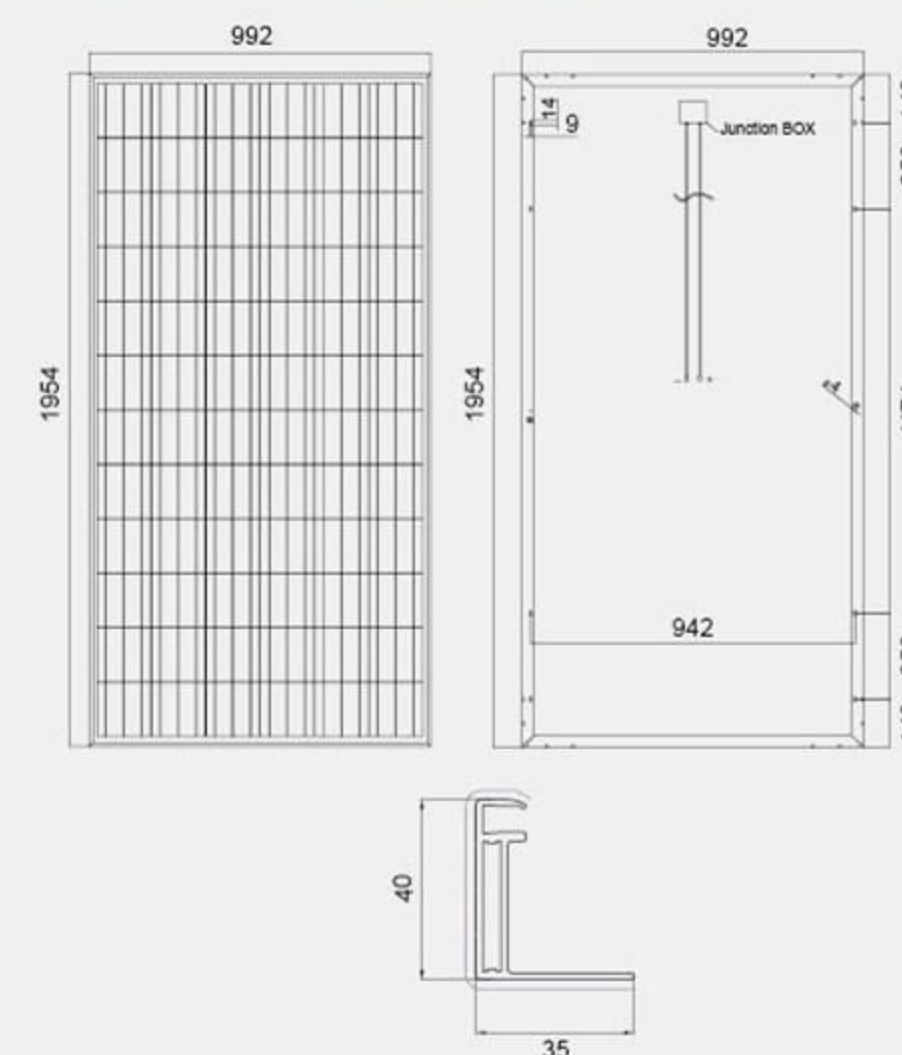
ELECTRICAL SPECIFICATIONS

Module Type		SS290-72P	SS295-72P	SS300-72P	SS305-72P	SHS310-72P	S315-72P	SS320-72P
Max-Power	P _m (W)	290	295	300	305	310	315	320
Power Tolerance	(W)	+0~+5W	+0~+5W	+0~+5W	+0~+5W	+0~+5W	+0~+5W	+0~+5W
Max-Power Voltage	V _m (V)	35.9	36	36.1	36.2	36.3	36.4	36.5
Max-Power Current	I _m (A)	8.08	8.2	8.31	8.43	8.54	8.66	8.77
Open-Circuit Voltage	V _{oc} (V)	44.5	44.6	44.7	44.8	44.9	45.0	45.1
Short-Circuit Current	I _{sc} (A)	8.62	8.74	8.85	8.96	9.08	9.20	9.31
Cell Efficiency	(%)	16.7	17	17.3	17.6	17.9	18.2	18.4
Module Efficiency	(%)	15	15.2	15.5	15.7	16.0	16.3	16.5
Max-System Voltage	(VDC)	1000V(IEC)						
Max Series Fuse	(A)	15						
P _{max} Temperature Coefficients	(%/°C)	-0.47						
I _{sc} Temperature Coefficients	(%/°C)	0.045						
V _{oc} Temperature Coefficients	(%/°C)	-0.34						
NOCT Nominal Operating Cell Temperature		45±2°C						
Operating Temperature		-40~+85°C						

MECHANICAL SPECIFICATIONS

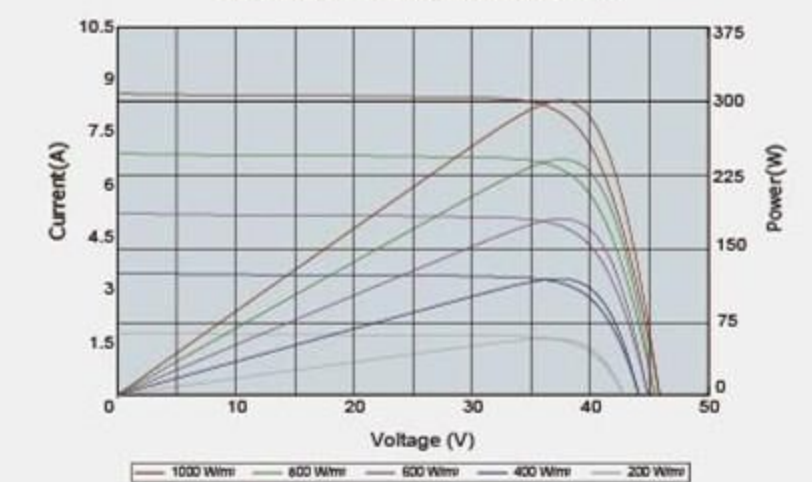
External Dimensions	1954 x 992 x 40 mm
Weight	23 Kg
Solar Cell	Polycrystalline 156x156mm (72pcs)
Front glass	4.0mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP65/67 rated
Output Cabel	4.0mm ² TUV certified 900mm
Connector	MC4 Compatible

PHYSICAL CHARACTERISTICS Unit:mm (inch)

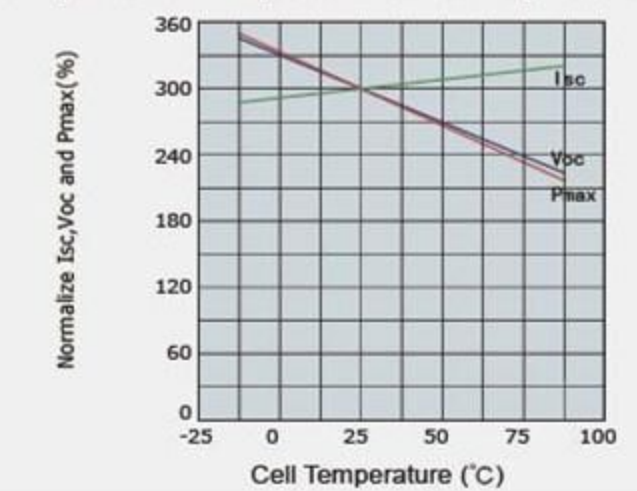


ELECTRICAL CHARACTERISTICS

Current-Voltage & Power-Voltage Curve (AM1.5, Cell Temperature 25°C)



Temperature Dependence of I_{sc}, V_{oc} and P_{max}



Irradiance Dependence of I_{sc}, V_{oc} and P_{max}

