

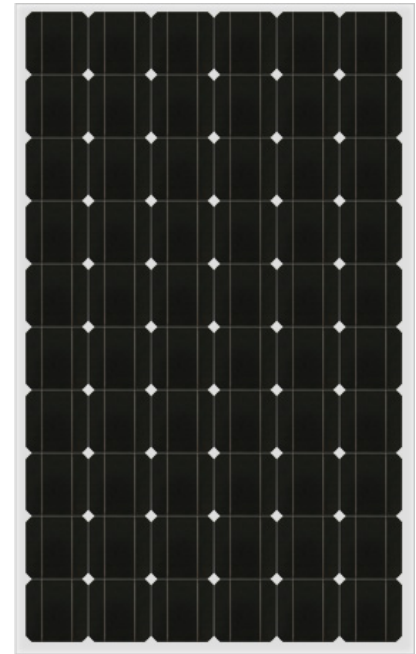
AXN6M SERIES

280 – 340 WATT HIGH QUALITY MONO-CRYSTALLINE PV MODULES AVAILABLE IN BOTH STANDARD AND BLACK ON BLACK.

AUXIN SOLAR[®]

Using automated production lines, top of the line solar cells and materials complying to highest industry standards, Auxin Solar provides a complete set of poly and mono-crystalline PV modules ranging from **10W to 360W**.

Auxin Solar offers panels for use in small off-grid systems to the largest on-grid solar farms. Panels are tested and qualified for the severest weather conditions.



FEATURES	BENEFITS
Solar module efficiency up to 17.5%	Generate more energy per square meter
Protective, Bypass diodes	Avoids effect of partial shading
Factory equipped weatherproof junction box Waterproof(UL94, V-O) connector Anodized aluminum frame	Flawless operation in wet weather and marine applications Perfect for GRID applications
Tempered glass EVA resin Weather proof film Anodized aluminum frame	Resilient to harsh weather conditions
Highest standards in manufacturing and design quality Cleanroom-like production line	Optimal panel performance Long term product performance

QUALITY ASSURANCE

- Electrical insulation test
- Outdoor exposure test
- Hot spot endurance test
- UV exposure IEC61345
- Thermal cycling
- Humidity freeze
- Damp heat test
- Robustness of termination test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

INVESTMENT PROTECTION

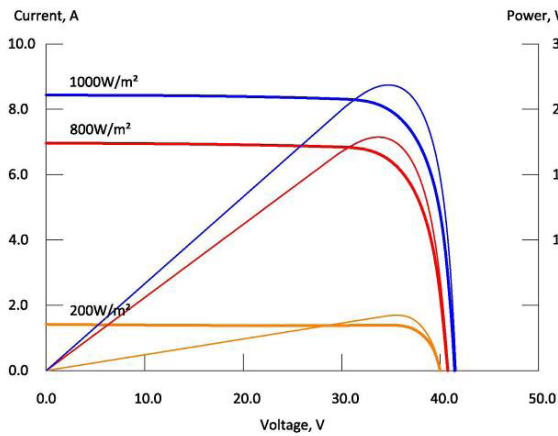
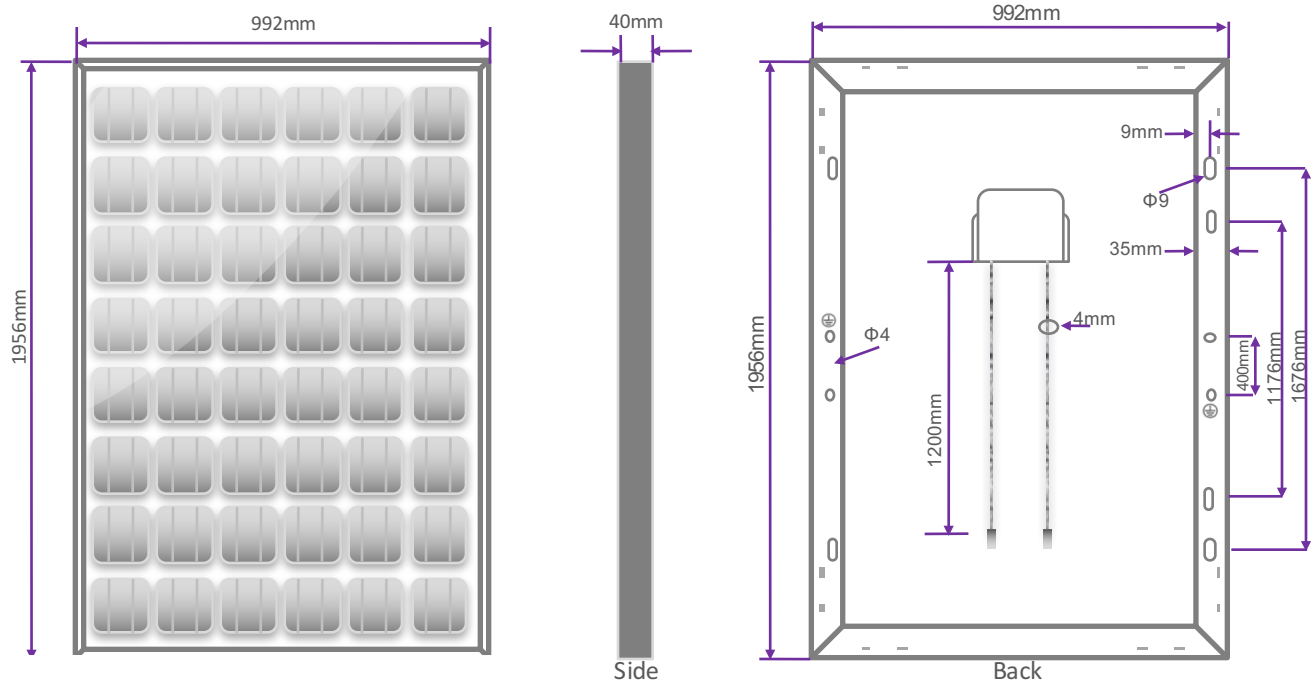
- 10 years product workmanship guarantee
- 12 years 90% power output warranty
- 25 years 80% power output warranty



Specifications subject to change without notice.

AXN6M SERIES

AXN 6M 612T xxx													
Maximum Power (+3%)	280	285	290	295	300	305	310	315	320	325	330	335	340
Voc (V)	44.86	44.21	44.43	44.57	44.71	44.86	45.00	45.22	45.97	46.38	46.76	47.04	47.78
Isc (A)	8.21	8.39	8.48	8.52	8.58	8.72	8.79	8.89	9.46	9.52	9.57	9.61	9.64
Vmp (V)	36.86	36.72	36.72	36.72	36.72	36.72	36.72	36.72	37.30	37.48	37.71	37.98	38.32
Imp (A)	7.60	7.77	7.90	8.04	8.17	8.31	8.45	8.58	8.58	8.67	8.75	8.82	8.96
Module Efficiency (%)	14.4%	14.7%	14.9%	15.2%	15.5%	15.7%	16.0%	16.2%	16.5%	16.7%	17.0%	17.3%	17.5%
Series Fuse Rating	15A												
Junction Box Protection	IP65												
Maximum System Voltage	VDC 1000												
Operating Temperature	-40°C to 85°C												
Number of Cells	72 (6" Mono)												
Connector Type	Tyco/MC4 compatible - based on customer request												



Mechanical Characteristics	
Frame	Anodized Aluminum (Silver and Black)
Dimension (L x W x D)	77.01" x 39.06" x 1.57" / 1956mm x 992mm x 40mm
Weight/pc	23.0kg/50.7lbs
Pallet	26 pcs
Loading/container	312pcs/20'; 728pcs/40'; 832pcs/53'
Maximum wind load	30 lbs/ft ²

Temperature Coefficients		Standard Test Conditions (STC)	
NOCT	44°C	Irradiance	1000W/m ²
Short circuit current	+0.04%/C	Module Temperature	25 °C
Open circuit voltage	-0.30%/C	AM	1.5
Max power output	-0.42%/C		

— Current & Voltage — Power & Voltage

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