

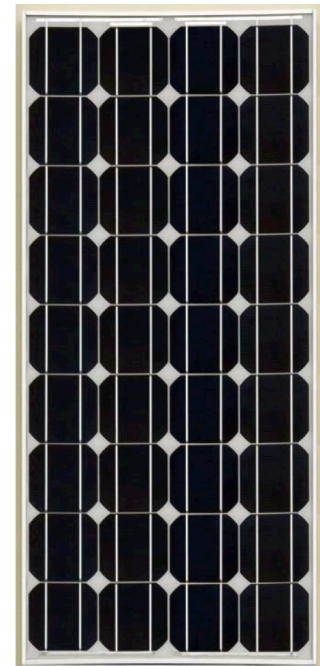
AXN-M5T SERIES

75 – 90 WATT HIGH QUALITY MONO-CRYSTALLINE PV MODULES

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 315W**.

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 cell efficiency over 16.9%	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 12v system	Flawless operation in wet weather and marine applications Perfect for GRID and OFF-GRID applications
White 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 ISO9001:2008	Optimal panel performance Long term product performance

QUALITY ASSURANCE

- Backed by liability insurance
- Salt Mist Corrosion Certified
- Wind Resistance Load: 6000Pa
- ISO 9001:2008
- 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

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



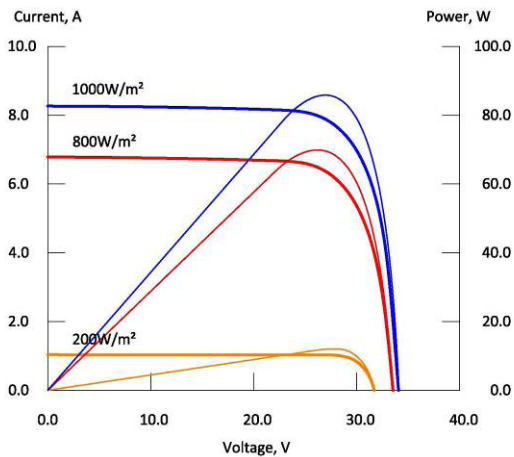
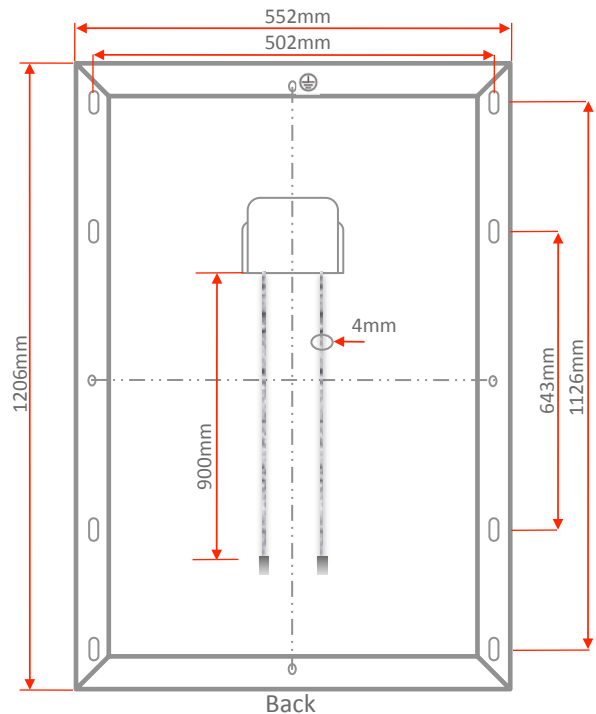
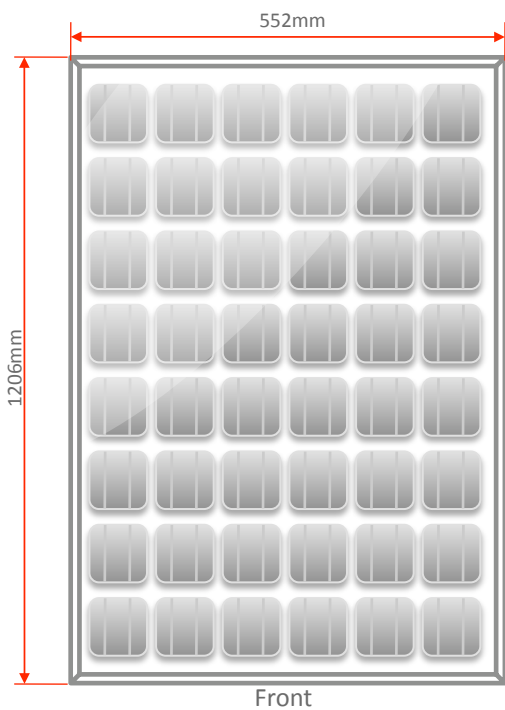
- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection



Specifications subject to change without notice.

AXN-M5T SERIES

Electrical Characteristics	AXN-M5T75	AXN-M5T80	AXN-M5T85	AXN-M5T90
Maximum Power [W]	75	80	85	90
Tolerance	±5%			
Open circuit Voltage [V]	21.74	21.82	21.96	22.03
Short circuit Current [A]	4.79	4.84	5.06	5.31
Maximum Power Voltage [V]	17.71	17.93	18.22	18.36
Maximum Power Current [A]	4.24	4.46	4.67	4.90
Solar Cell Efficiency [%]	14.62	14.87	15.87	16.87
Series Fuse Rating [A]	12			
Terminal Box Protection Code	IP65			
Maximum System Voltage [V]	DC1000			
Operating Temperature [C]	-40 to 85			
Number of cells	36 (5" Mono)			



Current & Voltage

Power & Voltage

Mechanical Characteristics

Frame	Anodized Aluminum
Dimension (L x W x D)	47.48" x 21.73" x 1.97" / 1206mm x 552mm x 50mm
Weight/pc	10kg/22.0lbs
Packing	10pcs/carton
Loading/container	320pcs/20ft; 720/40ft
Maximum wind load	6000 Pa

Temperature Coefficients

NOCT	48±2°C
Short circuit current	+2.5mA/C
Open circuit voltage	-0.147v/C
Max power output	-0.4%/C

Standard Test Conditions (STC)

Irradiance	1000W/m ²
Module Temperature	25 °C
AM	1.5

Specifications subject to change without notice.