

AXN-M5T SERIES



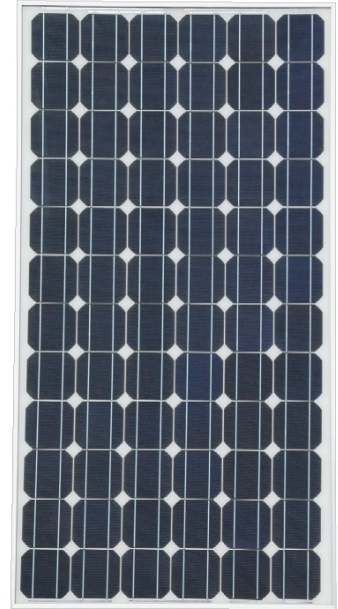
150 – 185 WATT

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 290W**.

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 up to 17.4%	Generate more energy per square meter
Protective, Bypass diodes	Avoids effect of partial shading
Factory equipped weatherproof junction box Waterproof(UL94, V-O) connector	Flawless operation in wet weather and marine applications Perfect for 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 ISO9001:2000	Optimal panel performance Long term product performance

QUALITY ASSURANCE

- ISO9001:2000
- 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

STANDARD QUALIFICATIONS



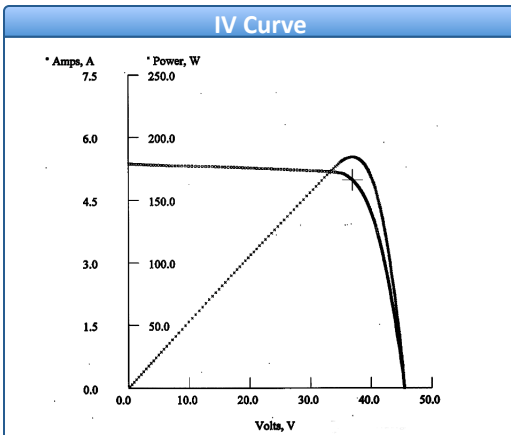
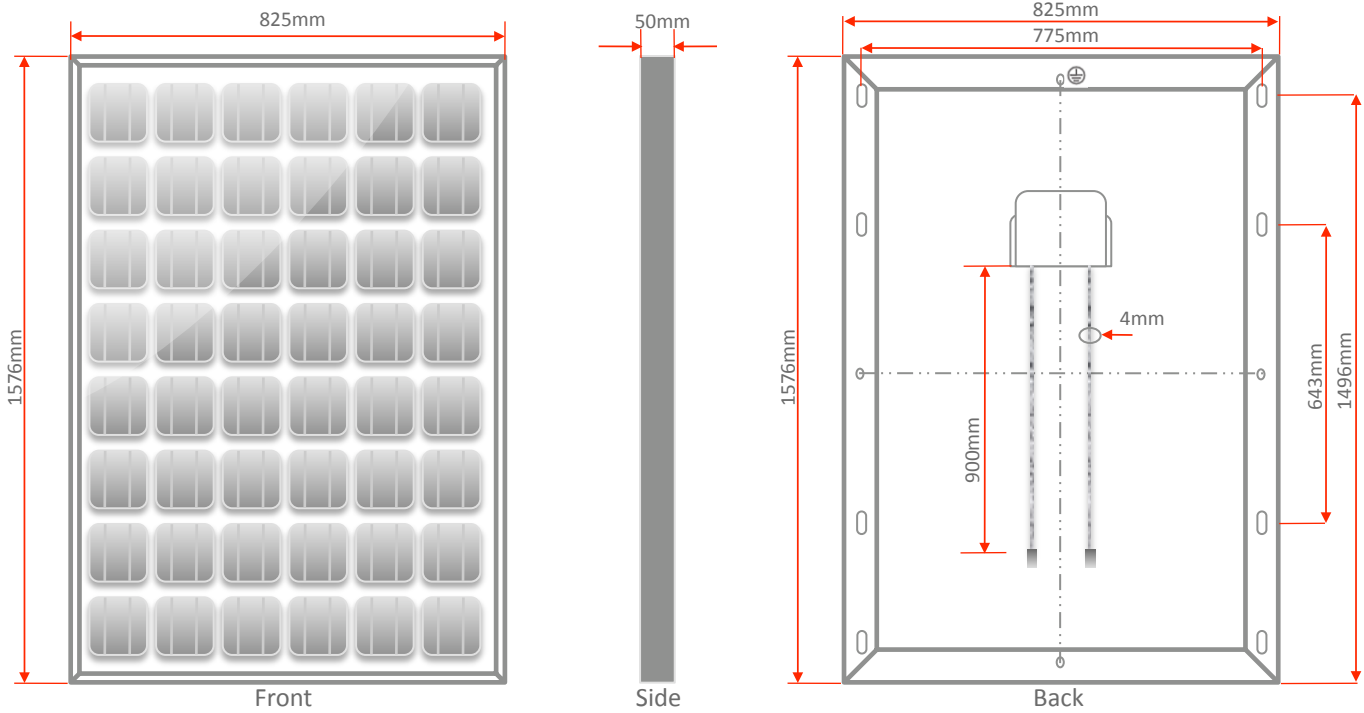
inter solar
connecting solar business | EUROPE
MUNICH, GERMANY
June 9–11, 2010
New Munich Trade Fair Centre
Germany

SOLAR POWER 10 INTERNATIONAL
October 12-14, 2010
Los Angeles, CA

Specifications subject to change without notice.

AXN-M5T SERIES

Electrical Characteristics	AXN-M5T150	AXN-M5T155	AXN-M5T160	AXN-M5T165	AXN-M5T170	AXN-M5T175	AXN-M5T180	AXN-M5T185
Maximum Power [W]	154.9	159.9	164.9	169.9	174.9	179.9	184.9	189.9
Tolerance	±5%							
Open circuit Voltage [V]	43.49	43.49	43.63	43.78	43.92	43.99	44.06	44.14
Short circuit Current [A]	4.79	4.79	4.84	4.94	5.06	5.17	5.31	5.43
Maximum Power Voltage [V]	35.42	35.42	35.86	36.14	36.43	36.72	36.72	36.79
Maximum Power Current [A]	4.24	4.38	4.46	4.57	4.67	4.77	4.90	5.03
Solar Cell Efficiency [%]	14.60	14.62	14.87	15.37	15.87	16.37	16.87	17.37
Series Fuse Rating [A]	10							
Terminal Box Protection Code	IP65							
Maximum System Voltage [V]	DC1000							
Operating Temperature [C]	-40 to 85							
Number of cells	72 (5" Mono)							



Mechanical Characteristics	
Frame	Anodized Aluminum
Dimension (L x W x D)	60.05" x 32.48" x 1.97" / 1576mm x 825mm x 50mm
Weight/pc	16.0kg/35.3lbs
Packing	10pcs/carton
Loading/container	240pcs/20ft; 560/40ft

Temperature Coefficients		Standard Test Conditions (STC)	
NOCT	48±2°C	Irradiance	1000W/m ²
Short circuit current	+2.5mA/C	Module Temperature	25 °C
Open circuit voltage	-0.147v/C	AM	1.5
Max power output	-0.4%/C		

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