

AXN-M6T SERIES



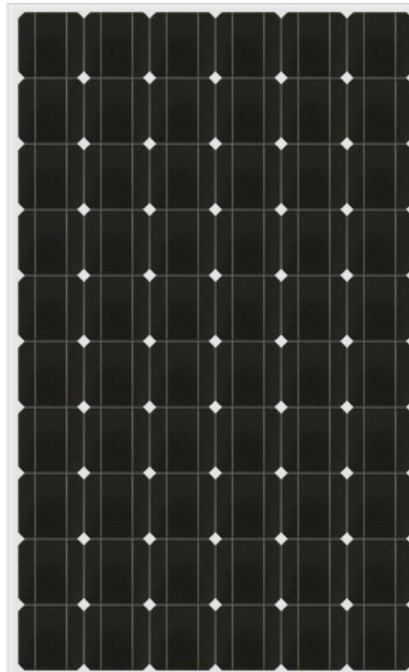
225 – 245 WATT

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

Solar cell efficiency up to 17.1%

Protective, Bypass diodes

Factory equipped weatherproof junction box
Waterproof(UL94, V-O) connector
Anodized aluminum frame
24V system

White tempered glass
EVA resin
Weather proof film
Anodized aluminum frame

Highest standards in manufacturing and design quality
Cleanroom-like production line
ISO9001:2000

BENEFITS

Generate more energy per square meter

Avoids effect of partial shading

Flawless operation in wet weather and marine applications
Perfect for **GRID** applications

Resilient to harsh weather conditions

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



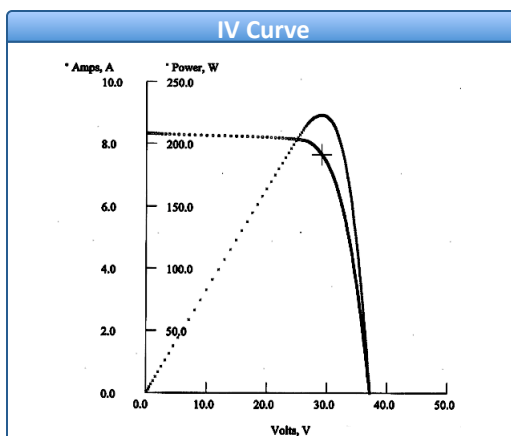
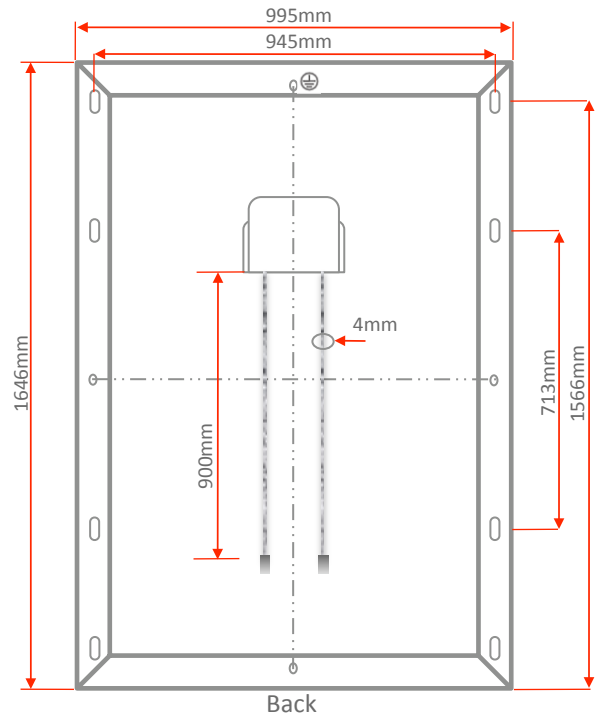
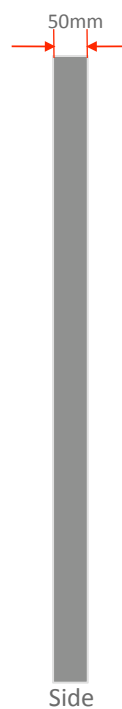
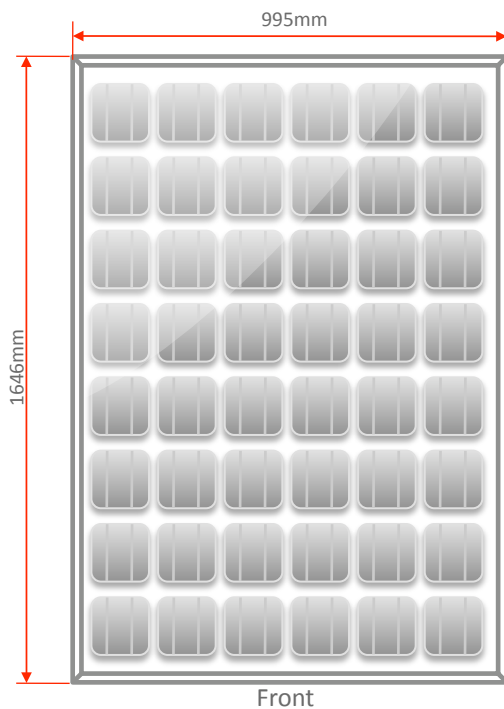
- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection



Specifications subject to change without notice.

AXN-M6T SERIES

Electrical Characteristics	AXN-M6T225	AXN-M6T230	AXN-M6T235	AXN-M6T240	AXN-M6T245
Maximum Power [W]	229.9	234.9	239.9	244.9	249.9
Tolerance	$\pm 3\%$				
Open circuit Voltage [V]	37.02	37.32	37.50	37.56	37.62
Short circuit Current [A]	8.11	8.18	8.26	8.29	8.32
Maximum Power Voltage [V]	30.00	30.48	30.96	31.20	31.50
Maximum Power Current [A]	7.50	7.55	7.59	7.69	7.78
Solar Cell Efficiency [%]	15.63	16.13	16.63	16.88	17.13
Series Fuse Rating [A]	15				
Terminal Box Protection Code	IP65				
Maximum System Voltage [V]	DC1000				
Operating Temperature [C]	-40 to 85				
Number of cells	60 (6" Mono)				



Mechanical Characteristics	
Frame	Anodized Aluminum
Dimension (L x W x D)	64.80" x 39.17" x 1.97" / 1646mm x 995mm x 50mm
Weight/pc	20.0kg/44.1lbs
Packing	10pcs/carton
Loading/container	240pcs/20ft; 560/40ft

Temperature Coefficients		Standard Test Conditions (STC)	
NOCT	48 \pm 0.1°C	Irradiance	1000W/m ²
Short circuit current	+0.04%/C	Module Temperature	25 °C
Open circuit voltage	-0.35%/C	AM	1.5
Max power output	-0.5358%/C		

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