

AXN-P6T SERIES

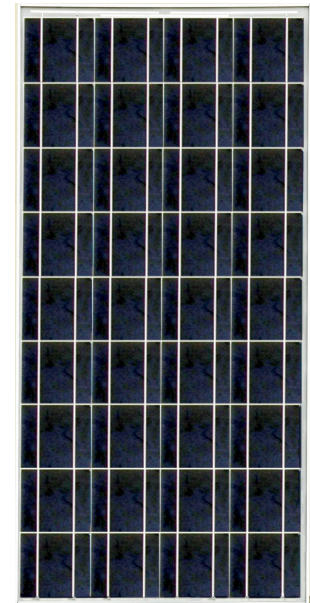
100 WATT

HIGH QUALITY POLY-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 14.7%	Generate more energy per square meter
Protective, Bypass diodes	Avoids effect of partial shading
Factory equipped weatherproof junction box Waterproof(UL94, V-O) connector 12v system	Flawless operation in wet weather and marine applications Perfect for 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 ISO9001:2000	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



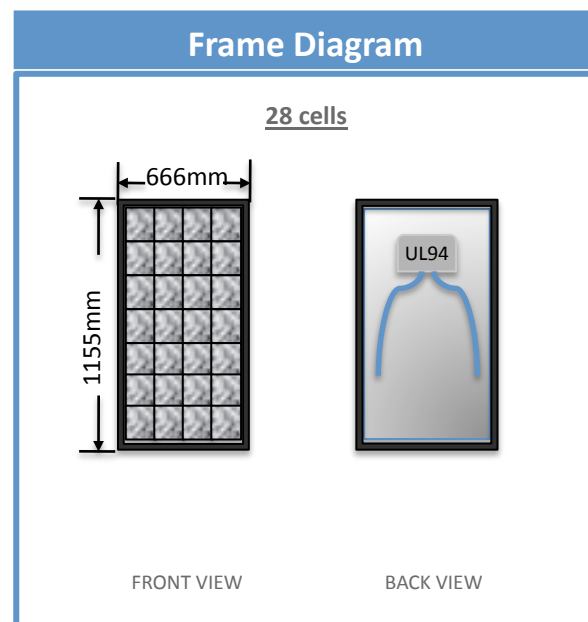
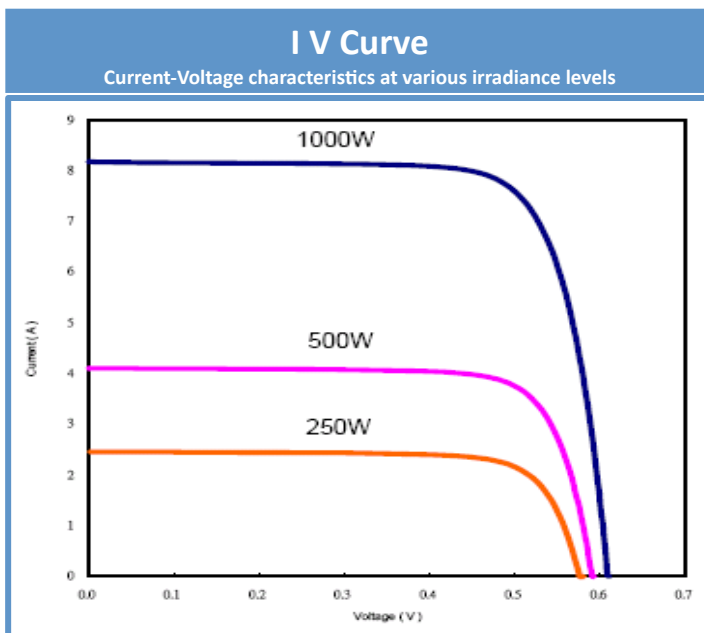
- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection

Specifications subject to change without notice.



AXN-P6T SERIES

Electrical Characteristics	AXN-P6T
	100W
Maximum Power [W]	100
Tolerance	± 5%
Open circuit Voltage [V]	16.80
Short circuit Current [A]	7.83
Maximum Power Voltage [V]	13.97
Maximum Power Current [A]	7.12
Solar Cell Efficiency [%]	14.70
Series Fuse Rating [A]	15
Terminal Box	IP65
Maximum System Voltage [V]	DC1000
Operating Temperature [C]	-40 to 85
Number of cells	28 (Poly)



Temperature Coefficients

NOCT	44.9±0.1°C
Short circuit current	+0.06%/C
Open circuit voltage	-0.34%/C
Max power output	-0.4982%/C

Standard Test Conditions (STC)

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

Mechanical Characteristics

Frame	Anodized Aluminum
Dimension (L x W x D)	45.47" x 26.22" x 1.38" / 1155mm x 666mm x 35mm
Weight/pc	9.5kg/20.9lbs
Packing	14pcs/carton
Loading/container	448pcs/20ft; 896/40ft

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