

AXN-P6T SERIES

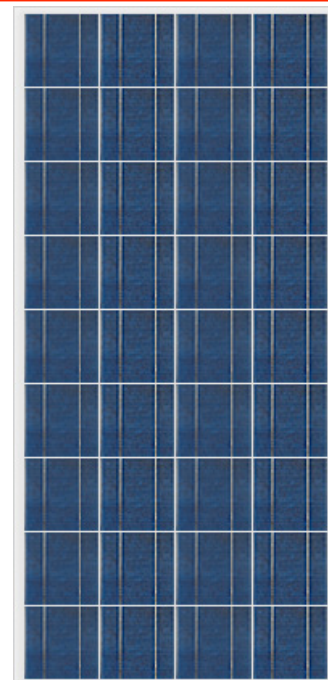


120 – 140 WATT HIGH QUALITY POLY-CRYSTALLINE PV MODULES

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 over 16.3%	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 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 ISO9001:2000	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

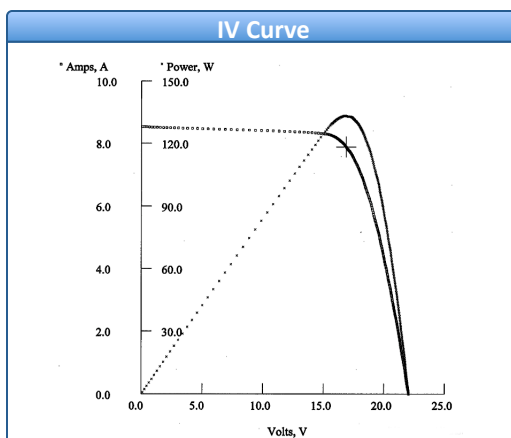
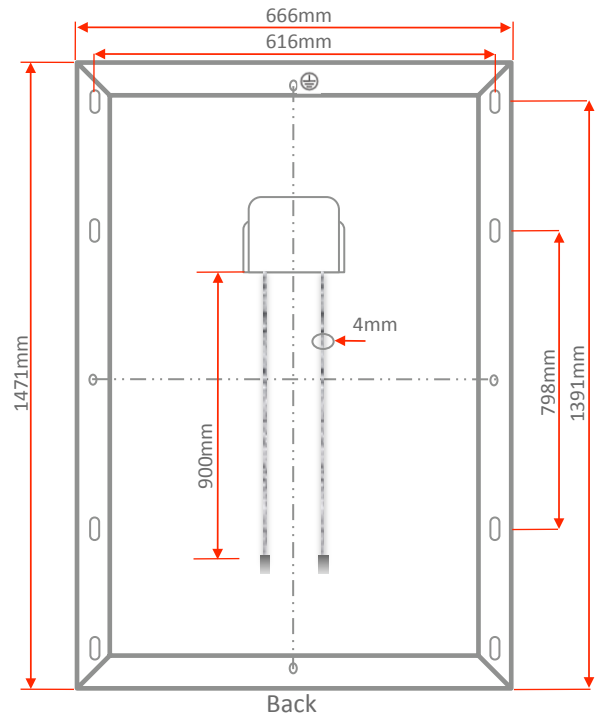
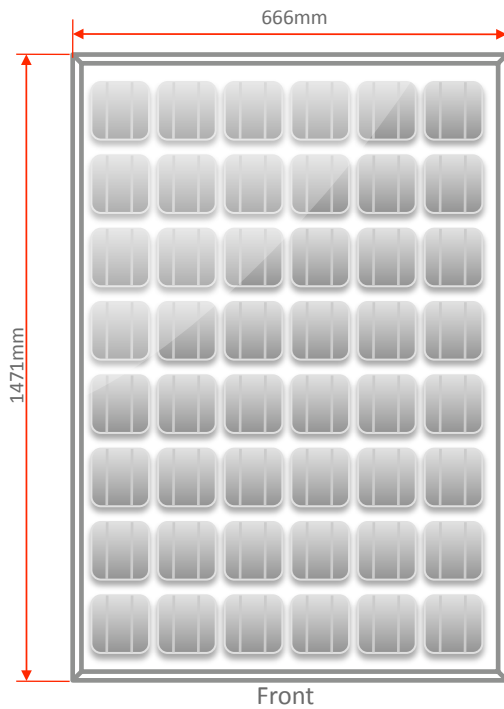


- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection



AXN-P6T SERIES

Electrical Characteristics	AXN-P6T120	AXN-P6T125	AXN-P6T130	AXN-P6T135	AXN-P6T140
Maximum Power [W]	124.9	129.9	134.9	139.9	144.9
Tolerance	± 5%				
Open circuit Voltage [V]	21.53	21.56	21.60	21.74	22.03
Short circuit Current [A]	7.35	7.60	7.83	8.04	8.23
Maximum Power Voltage [V]	17.57	17.78	17.96	18.14	18.36
Maximum Power Current [A]	6.83	7.03	7.24	7.44	7.63
Solar Cell Efficiency [%]	13.75	14.37	14.87	15.37	16.12
Series Fuse Rating [A]	10				
Terminal Box Protection Code	IP65				
Maximum System Voltage [V]	DC1000				
Operating Temperature [C]	-40 to 85				
Number of cells	36 (6" Poly)				



Mechanical Characteristics	
Frame	Anodized Aluminum
Dimension (L x W x D)	57.91" x 26.22" x 1.38" / 1471 mm x 666mm x 35mm
Weight/pc	13.0kg/28.7lbs
Packing	14pcs/carton
Loading/container	350pcs/20ft; 750/40ft

Temperature Coefficients		Standard Test Conditions (STC)	
NOCT	44.9±0.1°C	Irradiance	1000W/m ²
Short circuit current	+0.06%/C	Module Temperature	25 °C
Open circuit voltage	-0.34%/C	AM	1.5
Max power output	-0.442%/C		

Specifications subject to change without notice.