

AXN-P6T SERIES

255 – 285 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 24v system	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



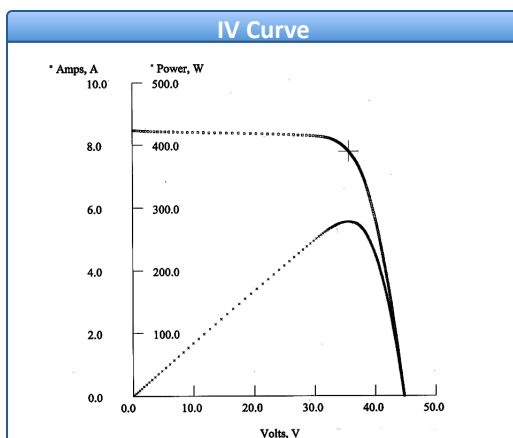
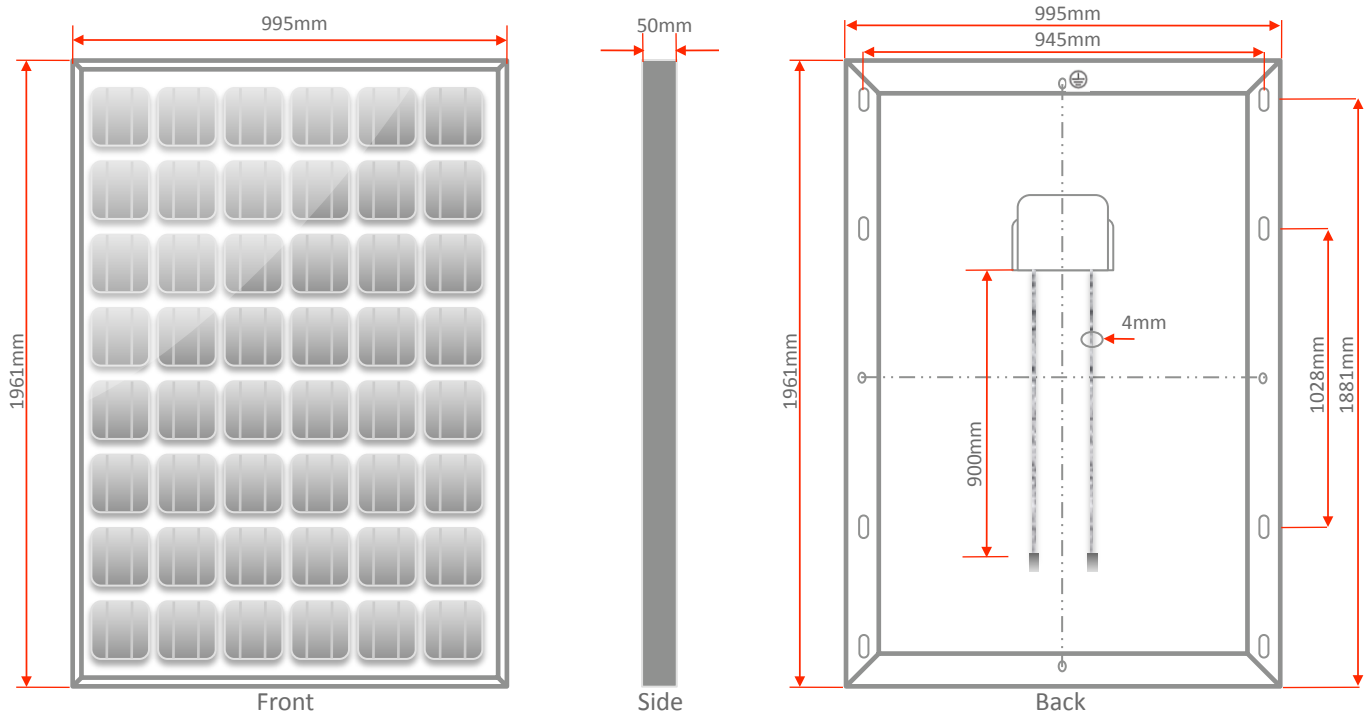
- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection



Specifications subject to change without notice.

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Electrical Characteristics	AXN-P6T255	AXN-P6T260	AXN-P6T265	AXN-P6T270	AXN-P6T275	AXN-P6T280	AXN-P6T285
Maximum Power [W]	259.9	264.9	269.9	274.9	279.9	284.9	289.9
Tolerance	± 3%						
Open circuit Voltage [V]	43.20	43.20	43.27	43.70	43.92	44.06	44.21
Short circuit Current [A]	7.72	7.83	7.95	8.10	8.17	8.23	8.32
Maximum Power Voltage [V]	35.71	35.93	36.14	36.43	36.58	36.72	36.79
Maximum Power Current [A]	7.14	7.24	7.33	7.41	7.52	7.63	7.75
Solar Cell Efficiency [%]	14.62	14.87	15.12	15.62	15.87	16.12	16.37
Series Fuse Rating [A]	15						
Terminal Box Protection Code	IP65						
Maximum System Voltage [V]	DC1000						
Operating Temperature [C]	-40 to 85						
Number of cells	72 (6" Poly)						



Mechanical Characteristics	
Frame	Anodized Aluminum
Dimension (L x W x D)	77.20" x 39.17" x 1.97" / 1961mm x 995mm x 50mm
Weight/pc	24.0kg/52.9lbs
Packing	10pcs/carton
Loading/container	200pcs/20ft; 440/40ft

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		

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