

# AXN-P6T SERIES

## 255 – 285 WATT HIGH QUALITY POLY-CRYSTALLINE PV MODULES

### AUXIN SOLAR<sup>®</sup>

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 315W**.

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 16.4%	Generate more energy per square meter
Protective, Bypass diodes	Avoids effect of partial shading
Factory equipped weatherproof junction box Waterproof (UL94, V-O) connector Anodized aluminum frame 24v system	Flawless operation in wet weather and marine applications Perfect for <b>GRID</b> 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 ISO9001:2008	Optimal panel performance Long term product performance

### QUALITY ASSURANCE

- Backed by liability insurance
- Salt Mist Corrosion Certified
- Wind Resistance Load: 6000Pa
- ISO 9001:2008
- 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



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

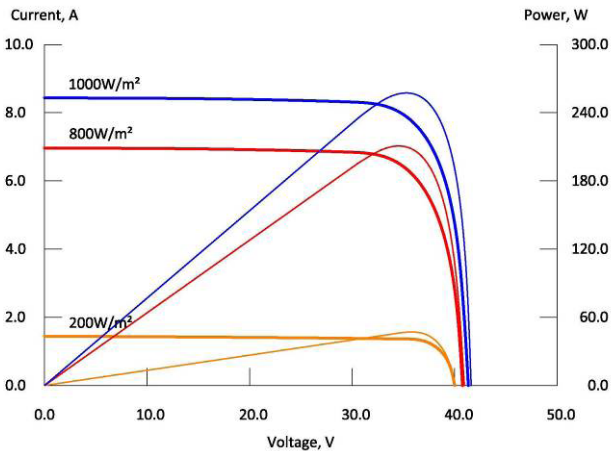
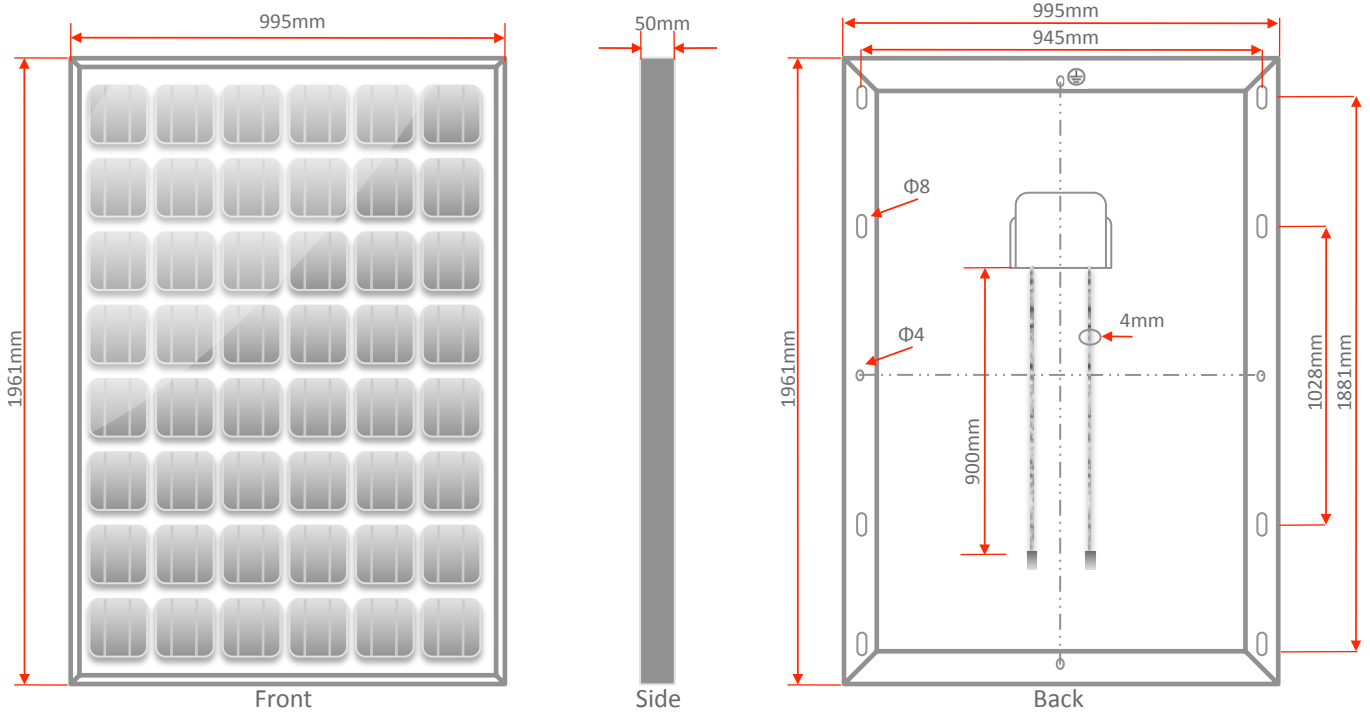


Specifications subject to change without notice.



# AXN-P6T SERIES

Electrical Characteristics	AXN-P6T255	AXN-P6T260	AXN-P6T265	AXN-P6T270	AXN-P6T275	AXN-P6T280	AXN-P6T285
Maximum Power [W]	255	260	265	270	275	280	285
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(IEC), DC600(UL)						
Operating Temperature [C]	-40 to 85						
Number of cells	72 (6" Poly)						



— Current & Voltage      — Power & Voltage

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
Maximum wind load	6000 Pa

Temperature Coefficients		Standard Test Conditions (STC)	
NOCT	44.9±0.1°C	Irradiance	1000W/m²
Short circuit current	+0.06%/C	Module Temperature	25 °C
Open circuit voltage	-0.15%/C	AM	1.5
Max power output	-0.45%/C		

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