

Air-X Land / Air-X Marine

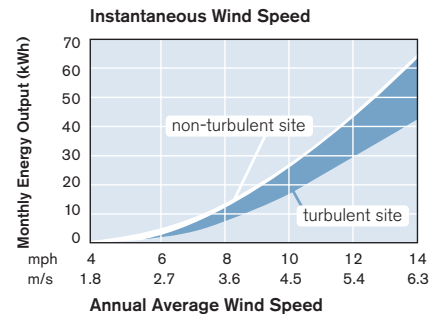
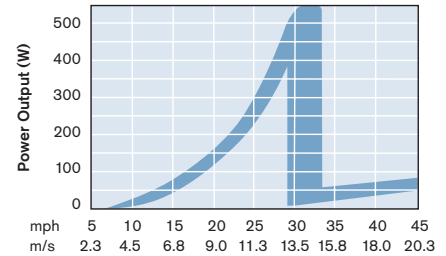
Technical Specifications

Rotor Diameter	46 inches (1.15 m)
Weight	13 lbs (5.85 kg)
Shipping Dimensions	27 x 15 x 9" (686 x 38 x 228 mm) 17 lbs. (7.7 kg)
Mount	1.5" schedule 40 pipe (1.9" OD, 48 mm)
Start-Up Wind Speed	8 mph (3.58 m/s)
Voltage	12, 24, 34 and 48 VDC
Rated Power	400 watts at 28 mph (12.5 m/s)
Turbine Controller	Microprocessor-based smart internal regulator with peak power tracking
Body	Cast aluminum (AirX Marine is powder coated for corrosion protection)
Blades	(3) Carbon fiber composite
Overspeed Protection	Electronic torque control
Kilowatt Hours Per Month	38 kWh/mo @12 mph (5.4 m/s)
Survival Wind Speed	110 mph (49.2 m/s)
Warranty	3 Year Limited Warranty

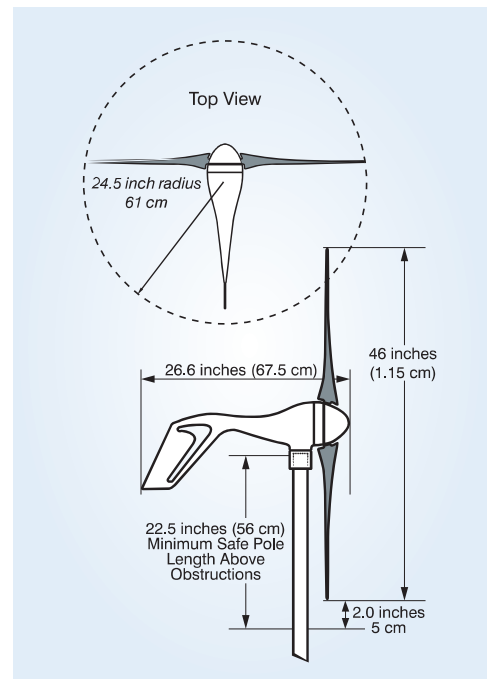


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Performance Curves



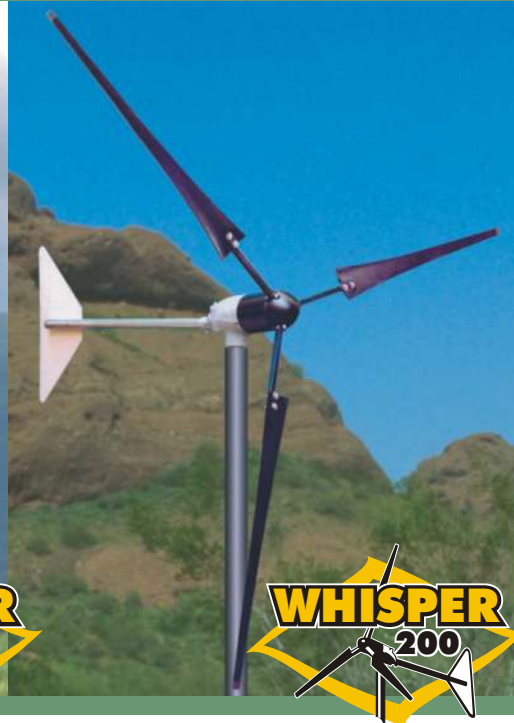
Sphere of Operation



Technical Specifications



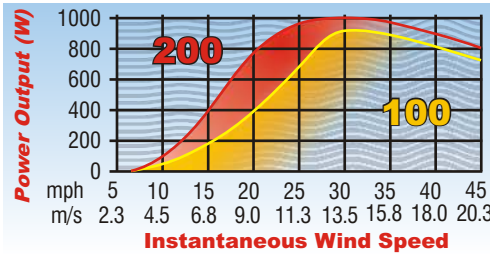
WHISPER 100



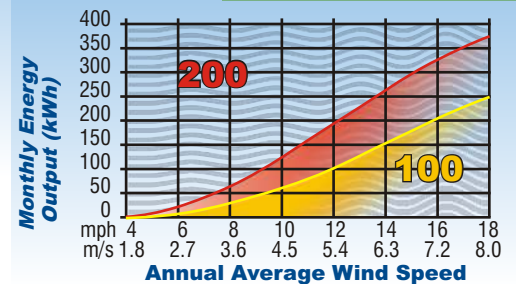
WHISPER 200



Rotor Diameter:	7 ft. (2.1m)	9 ft. (2.7 m)
Weight:	47 lbs (21kg) Box: 74 lbs (22.56kg)	65 lbs (30 kg) Box: 87 lbs (39.46kg)
Shipping Dimensions:	51 x 20 x 13" (1295 x 508 x 330mm)	51 x 20 x 13" (1295 x 508 x 330mm)
Mount:	2.5" schedule 40	2.5" schedule 40
Start-up wind speed:	7.5 mph (3.4m/s)	7 mph (3.1m/s)
Voltage:	12, 24, 36, 48 VDC	12, 24, 36, 48 VDC (HV available)
Rated Power:	900 watts at 28mph (12.5m/s)	1000 watts at 26 mph (11.6m/s)
Turbine Controller:	Whisper Controller	Whisper Controller
Body:	Cast Aluminum/Marine option avail.	Cast Aluminum/Marine option avail.
Blades (three):	Polypro/Carbon Glass Reinforced	Polypro/Carbon Glass Reinforced
Overspeed Protection:	Side-Furling	Side-Furling
Kilowatt hours per month:	100 kWh/mo @12mph (5.4m/s)	158 kWh/mo @12mph (5.4m/s)
Warranty:	5 Year Limited Warranty	5 Year Limited Warranty
Survival Wind speed:	120 mph (55 m/s)	120 mph (55 m/s)



Performance Curves



Rayleigh Distribution Curve k=2

Southwest Windpower
Renewable Energy Made Simple

Whisper 500 Utility Tie

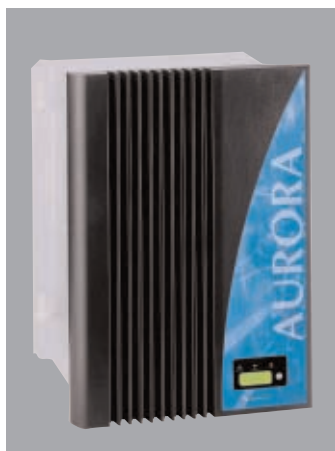


Technical Specifications

Rotor Diameter	15 feet (4.5 m)
Weight	155 lbs (70 kg)
Shipping Dimensions (box 1: body)	body: 36 x 25 x 32" (914 x 635 x 812 mm) 295 lbs. (133.8 kg)
Shipping Dimensions (box 2: body)	blades: 88 x 12 x 6" (2235 x 305 x 152 mm) 38 lbs. (17.2 kg)
Mount	5" schedule 40 pipe (12.7 cm)
Start-Up Wind Speed	7.5 mph (3.4 m/s)
Rated Power	3000 watts at 24 mph (10.5 m/s)
Peak Power	3200 watts @ 27 mph (12 m/s)
Turbine Controller	Whisper Controller (included)
Body	Welded steel; powder coated protection
Blades	(2) Carbon reinforced fiberglass
Overspeed Protection	Patented side furling
Kilowatt Hours Per Month	538 kWh/mo @12 mph (5.4 m/s)
Survival Wind Speed	120 mph (55 m/s)
Warranty	5 Year Limited Warranty



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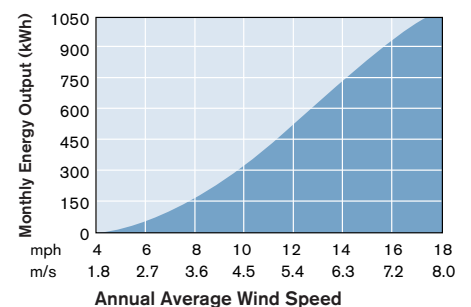
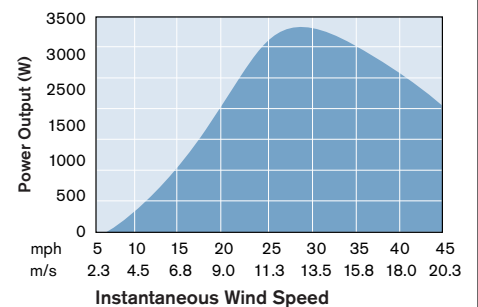
Aurora Inverter	High speed MPPT optimized for W500 permanent magnet alternator
Max Power Input Current	10 Amps per MPPT Channel 20 Amps total True Sine Wave Output Anti-Islanding protection
Max Efficiency	96%
Size	16.5 H x 12.8 W x 6.75" D (420 x 326 x 141 mm) IP65/NEMA 4X Enclosure
Weight	29 lbs. (13 kg)



Wind Interface	
Size	10.125 H x 11.125 W x 3.6" D (255 x 280 x 90 mm)
Weight	5 lbs. (2.3 kg)

Standards and Codes Aurora inverters comply with standards set for utility-tied operation, safety and electromagnetic compatibility including: UL1741, CSA and CE certification

Performance Curves



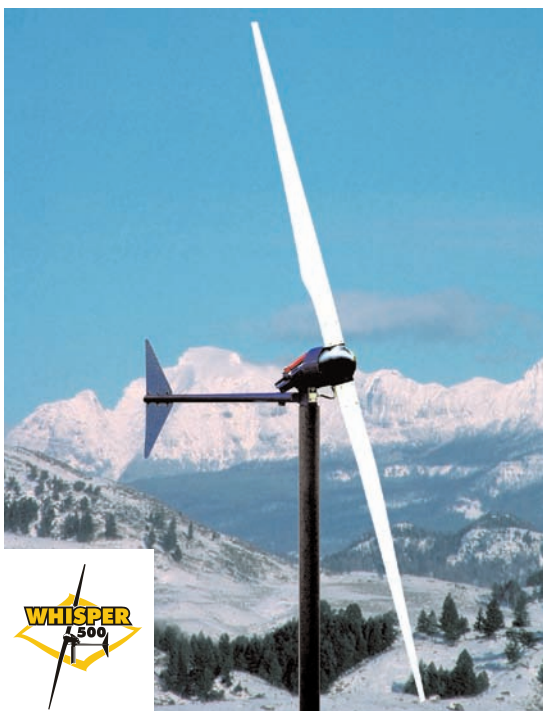
Whisper 500

Technical Specifications

Rotor Diameter	15 feet (4.5 m)
Weight	155 lbs (70 kg)
Shipping Dimensions (box 1: body)	body: 36 x 25 x 32" (914 x 635 x 812 mm) 295 lbs. (133.8 kg)
Shipping Dimensions (box 2: body)	blades: 88 x 12 x 6" (2235 x 305 x 152 mm) 38 lbs. (17.2 kg)
Mount	5" schedule 40 pipe (12.7 cm)
Start-Up Wind Speed	7.5 mph (3.4 m/s)
Voltage	24, 32, 48 VDC (high voltage model available)
Rated Power	3000 watts at 24 mph (10.5 m/s)
Peak Power	3200 watts @ 27 mph (12 m/s)
Turbine Controller	Whisper Charge Controller (included)
Body	Welded steel; powder coated protection
Blades	(2) Carbon reinforced fiberglass
Overspeed Protection	Side furling
Kilowatt Hours Per Month	538 kWh/mo @12 mph (5.4 m/s)
Survival Wind Speed	120 mph (55 m/s)
Warranty	5 Year Limited Warranty



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Performance Curves

