

Get Connected.

Introducing the all new grid-connected wind system for home & business.

Enjoy the benefits of utility power while reducing your electric bill every time the wind blows! A Whisper 500 grid connected system will significantly reduce or even eliminate your monthly electrical bill.

Serious power from a small wind turbine – the Whisper 500 in combination with Magnetek's Wind Interface and Aurora Inverter synchronizes with the power in your home or office, eliminating batteries and creating enough energy to pay an average monthly electric bill. Completely redesigned in 2004, the Whisper 500 works in harsh, high wind environments with its' two fiberglass reinforced blades and patented side furling design optimizing output at any wind speed. Assuming a 12 mph (5.4 m/s) wind, a Whisper 500 will produce as much as 500 kWh per month.

Available May 2006



MAGNETEK
UNCOMMON POWER



Whisper Quiet. Reliable. Powerful. No Batteries.

WHISPER**500****GRID****CONNECT**

Technical Specifications



Rotor Diameter
15 ft (4.5m)

Weight
155 lbs (70kg)

Shipping Weight & Dimensions (2 boxes)
Body: 295 lbs. (133.8kg)
36 x 25 x 32" (914 x 635 x 812mm)
Blades: 38 lbs. (17.2kg)
88 x 12 x 6" (2235 x 305 x 152mm)

Mount
5" schedule 40 (127mm)

Start-Up Wind Speed
7.5 mph (3.4m/s)

Rated Power
3000 watts at 24mph (10.5m/s)

Peak Power
3200 watts at 27mph (12m/s)

Body
Welded steel; Powder coated protection

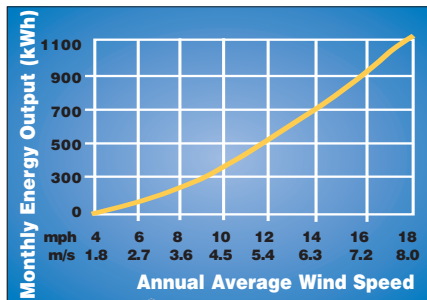
Blades (two)
Carbon reinforced fiberglass

Overspeed Protection
Patented side-furling

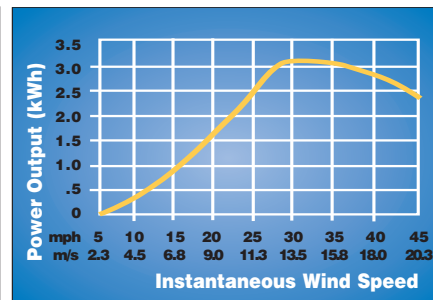
Kilowatt Hours Per Month
500 kWh/mo @12mph (5.4m/s)

Survival Wind Speed
120 mph (55 m/s)

Warranty
5 Year limited warranty



Energy Curve



Power Curve

Preliminary data collected from SWI Beech Mountain, NC.



Aurora Inverter

High speed MPPT optimized for W500 permanent magnet alternator

Max Power Input Current

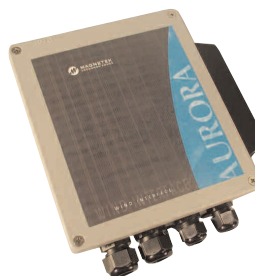
10 Amps per MPPT Channel,
20 Amps total
True Sine Wave Output
Anti-Islanding protection

Max Efficiency 96%

Size (height x width x depth)

16.5 in x 12.8 in x 6.75 in
(420mm x 326mm x 141mm)
IP65/NEMA 4X Enclosure

Weight [lb] (kg) 29 (13kg)



Wind Interface

Size (height x width x depth) [in]

10.125 in x 11.125 in x 3.6 in
(255mm x 280mm x 90mm)

Weight [lb] (kg) 5 (2.3kg)

Standards and Codes

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



MAGNETEK
UNCOMMON POWER

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Renewable Energy Made Simple

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