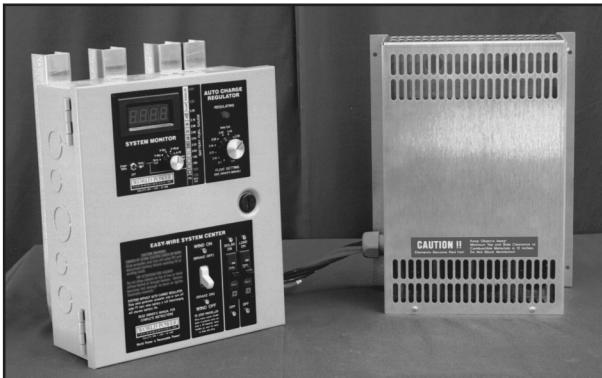


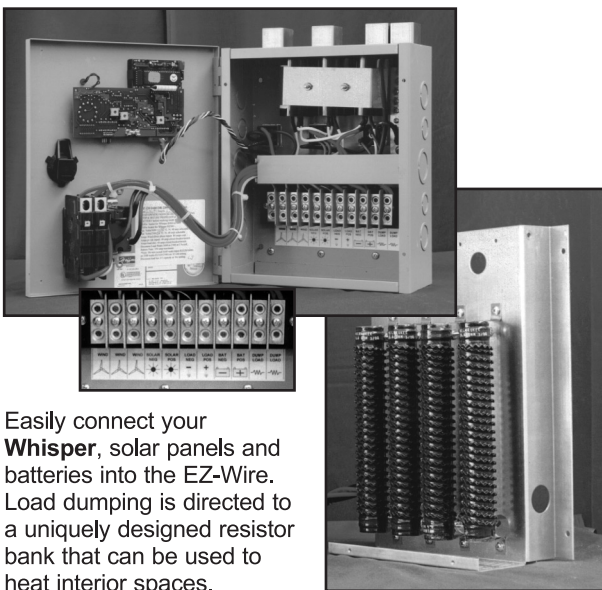
EZ-Wire™ Universal Charge Controller

Standard with every **Whisper** wind turbine, the EZ-Wire Universal Charge Controller is designed to control voltage from wind, solar **AND** hydro sources and prevent battery overcharging.



Features

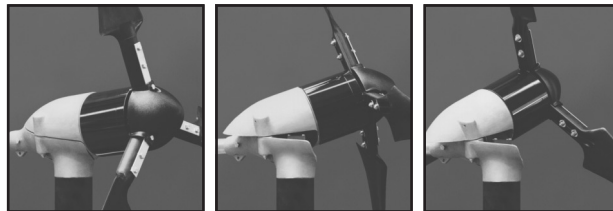
- ▶ Bright LED display for easy monitoring of batteries, DC load, and output from wind, solar and hydro.
- ▶ Circuit breaker
- ▶ Stop switch
- ▶ Diversion load option for area or water heating
- ▶ Available in 90, 120 and 200 amp models
- ▶ Optional remote monitor



Easily connect your **Whisper**, solar panels and batteries into the EZ-Wire. Load dumping is directed to a uniquely designed resistor bank that can be used to heat interior spaces.

Patented Angle Governor

Exclusive to the **Whisper**, the side furling Angle Governor protects the turbine in high winds by turning the alternator and blades out of the wind, reducing its exposure. Unlike other wind turbines that lose as much as 80% of their output when furling, the Angle Governor allows the **Whisper** to achieve maximum output in any wind.



Applications

- ▶ Telecommunications systems
- ▶ Cathodic protection
- ▶ Remote monitoring and signaling
- ▶ Remote home and cabins
- ▶ Water pumping
- ▶ Grid tied systems

"We use the Whispers for remote homes, cabins and to supplement solar systems. The EZ-Wire is great! It costs less than any diversion load regulator plus it gives you all the digital metering. It's a best buy and it includes provision for PV."

Steve W, Idaho

"I'm impressed with the performance of the H40... I wish to order another immediately."

Joseph P, Colorado

"I have a Whisper running in my neighborhood... A heavy storm came through our area at night and sent a major tree into the main power lines. By noon, I had two long extension cords to my neighbors to run their refrigerators and TVs! For four hours we shared the benefits of natural energy."

Dave M, Illinois

"Quiet - that's the beauty of them. I have been running my stand alone hybrid system for 3 years. My Whisper H80 is running super - can't run any better."

Robert M, Wisconsin

Southwest Windpower

Renewable Energy Made Simple

2131 N. First Street • Flagstaff, Arizona 86004 USA
Tel 520-779-9463 • Fax 520-779-1485
www.windenergy.com • E-mail info@windenergy.com

WIND POWER



WHISPER

quiet

affordable

reliable

Whisper H-40 Wind Turbine

For Moderate To High Winds!

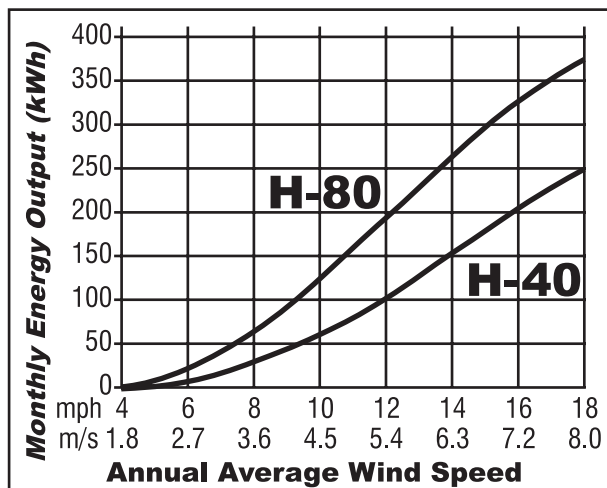
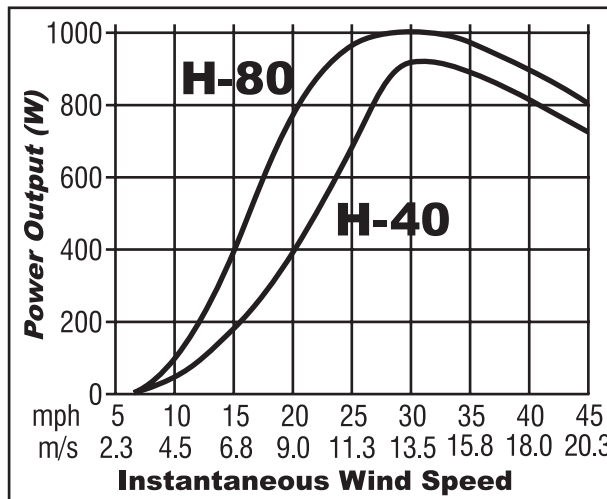
Designed for outstanding performance in medium to high wind, (12 mph average and above), the Whisper H40 is the **economical** solution. With a smaller blade and swept area, the rugged H40 is the option for sustained high winds. In a 12 mph average wind (5.4 m/s) the H40 delivers 100 Kw/h per month to your batteries.



Specifications - H40

Rotor diameter:	7' (2.1 meters)
Weight:	47 lbs (21 kg)
Mount:	2.5" Schedule 40
Start-up wind speed:	7.5 mph (3.4 m/s)
Voltage:	12, 24, 32, 48 VDC
Peak Power:	900 watts @ 28 mph (12.5 m/s)

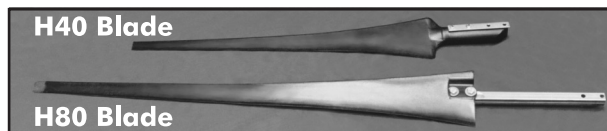
Performance Curves



Rayleigh Distribution Curve k=2

Features - H40 & H80

- ▶ Permanent magnet brushless alternator
- ▶ EZ Wire 120 amp controller allows up to 700 watts of PV
- ▶ Cast aluminum housing
- ▶ 2 year warranty
- ▶ Three blade design
- ▶ Blade material: Injection-molded fiber reinforced



Utilizing longer blades combined with a larger alternator, the H80 generates more power in lighter winds.

Whisper H-80 Wind Turbine

For Low To Moderate Winds!

To get the most out of low to moderate wind speeds (up to 12 mph), the Whisper H80 is the turbine of choice. Featuring a ten-foot (3 m) rotor diameter, the H80 will deliver **twice the power** in marginal wind areas than the H40. In a 12 mph average wind (5.4 m/s), expect 200 Kw/h per month to your batteries.



Specifications - H80

Rotor diameter:	10' (3.0 meters)
Weight:	65 lbs (30 kg)
Mount:	2.5" Schedule 40
Start-up wind speed:	7.0 mph (3.1 m/s)
Voltage:	12, 24, 32, 48 VDC
Peak Power:	1000 watts @ 24 mph (10.5 m/s)