Energy Management System
The SmartBox Control System incorporates a proprietary control system that is specifically designed to capture the most efficient power from wind at its unpredictable patterns and dynamics. It functions as a sophisticated energy management system and also provides a simple and seamless interconnection to the grid. The Honeywell Wind Turbine and the SmartBox offers cutting-edge turbine technology to the individual, enabling each to harness, utilize and manage the energy at their local wind zones. The SmartBox is the control system that consists of a charge controller and synchronization to North American grid frequencies. The charge controller is an automatic AC transfer switch that will automatically switch between your AC grid and power generated on the turbine. The Honeywell Wind Turbine works seamlessly with grid tie inverters. The charge controller is an automatic AC transfer switch that will automatically switch between your AC grid and power generated on the turbine. The Honeywell Wind Turbine works seamlessly with grid tie inverters. Refer to items A through D on prior page under Connection Options.

Utility Grid Tie System
The Honeywell Wind Turbine can also be configured with the Aurora® grid-tie inverter for simple connectivity to any utility or battery charge controller.

Aurora® Inverter 3.0kW (Grid Tie) POGT6500
Aurora® inverters operate at 96% efficiency for simple connectivity to any utility or battery charge controllers.

A Wind Turbine Like No Other For...
- Residential
- Commercial
- Agricultural
- Municipal
- Energy
- Educational
- Others
- "V" Site
- Remote sites
- Rural communities
- Marinas
- Hotels
- Universities

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Today's wind energy... like no other.

Introducing a breakthrough wind energy system for home and business

The Honeywell Wind Turbine is a gearless wind turbine that recaptures energy even in moderate winds. It's designed for both energy generation and energy markets, for homes and businesses, with proprietary systems breaking traditional noise, vibration and output. The enclosed generator by swiftly passing the blade tip the available wind to turn a generator, the resistance and drag. Rather than forcing the Honeywell Wind Turbine is designed to be installed by a licensed electrician wherever energy is consumed, turning homes and businesses from points of total consumption to distributed energy sources, in a cost effective and efficient manner.

Turbine Mounting Options: At 185 lbs (84 kgs) and 6 feet (1.8 m) versatile – like no other.

- **Flat Roof (Commercial)**: WindSmart Mount
- **Pitched Roof (Commercial)**: WindSmart Mount
- **Pole Mount (Commercial or Residential)**: Composite Mount
- **Cell Tower Mount (Commercial)**: Composite Mount

**Directional Fins & Braking**

The directional fins continuously guide the turbine for maximum wind exposure. The system starts turning at 0.5 mph (0.2 m/s), automatically shuts down in high winds (+38 mph [+17.0 m/s]) through its electromagnetic braking system and produces up to 1500 kWh per year (+38 mph [+17.0 m/s]) through its electromagnetic braking system. The system starts turning at 0.5 mph (0.2 m/s), automatically shuts down in high winds (+38 mph [+17.0 m/s]), or is manually shut off at 28 mph (17 m/s). Traditional gearboxes require minimum wind speeds of 7.5 mph (3.5 m/s) cut in and start generating power. The Honeywell Wind Turbine has an increased operating span over traditional turbines with a start-up speed as low as 0.5 mph (0.2 m/s), with an auto shut off at 28 mph (17 m/s) (traditional gearboxes require minimum wind speeds of 7.5 mph (3.5 m/s) cut in and start generating power. The Honeywell Wind Turbine is designed to be installed by a licensed electrician wherever energy is consumed, turning homes and businesses from points of total consumption to distributed energy sources, in a cost effective and efficient manner.

**TurboLine Technology Comparison**

Traditional Wind V8 Blade Tip Power System

- **2 Rotor**
- **3 Pitch**
- **4 Gear Box**
- **5 Slow Speed**
- **6 Magnets**
- **7 Stators**
- **8 Fins**
- **9 Anemometer**
- **10 Rotor**
- **11 Nacelle**
- **12 High Speed**
- **13 Yaw Drive**
- **14 Yaw Motor**
- **15 Tower**

- **QuadPod and Ballast Mount**
- **Cell Tower Mount**
- **Pitched Roof**
- **Flat Roof**

**WindTronic** has created a range of tools to assist in identifying proper site location based on wind, noise and robotics.

- **www.windestimator.com**
- **www.windknowledge.com**
- **www.windradar.com**

**Award Winning Technology**

- **One of the Most Brilliant Products of 2009**
- **2009 UNIDO Top Ten New Technologies**
- **Popular Mechanics Magazine**
- **Energy & Sustainability category**

**Grid Tie**

- **Connect to Building/house, utility or 12/24/48V Batteries**
- **Converts your wind – like no other.**

**Non-Grid Tie**

- **Easy look up of US and Canada wind rates, electrical rates, rebates and incentives.**
- **Never seek the highest elevation and lowest obstruction field as possible.**
- **Always seek the highest elevation and lowest obstruction field as possible.**
- **For pitched or flat roof tops. As roof contractors to replace components easily.**
- **Roof box QuadPod system is designed for pitched or flat roofs.**
- **The Honeywell Wind Turbine is designed for all environments from hot to cold temperatures and from coastal locations to mountainous.**
- **No grid connection and no line costs.**
- **Easy look up of US and Canada wind rates, electrical rates, rebates and incentives.**
- **Global wind database, predominant wind direction and wind strength analysis.**

**Product Certification**

- **CAN/CSA C22.2 No.107.1.**
- **Built like no other - Automated assembly lines.**

**Connection Options**

- **Connect to Building/house, utility or 12/24/48V Batteries**
- **Converter your wind – like no other.**

**QuadPod and Ballast Mount**

- **Pole Mount (Commercial or Residential)**
- **Cell Tower Mount (Commercial)**

**Mating Tools**

- **Use our WindSmart Mounting tools to assist in identifying proper site location based on wind, noise and robotics.**

**Easy look up of US and Canada wind rates, electrical rates, rebates and incentives.**

**www.windestimator.com**

**www.windknowledge.com**

**www.windradar.com**

**Global wind database, predominant wind direction and wind strength analysis.**