

SKYSTREAM 3.7™

1.8 KW Residential Power Appliance

Skystream 3.7 is a breakthrough in a new generation of RPA (Residential Power Appliances) that will change the energy landscape of how homes and small businesses receive electricity. Skystream is the first fully integrated system that produces energy for less than the average cost of electricity in the United States and it produces usable energy in exceptionally low winds.¹

Skystream is available on towers ranging from 35 to 110 feet.² Its universal inverter will deliver power compatible with any utility grid from 110-240 VAC.³ Skystream will efficiently and silently provide up to 100% of the energy needs for a home or small business. Any extra energy is fed into the grid spinning the meter backwards.⁴

Technical Specifications

Model: Skystream 3.7™

Rated Capacity: 1.8 kW **Weight:** 154 lbs / 70 kg

Rotor Diameter: 12 feet / 3.72 m **Swept Area:** 115.7 ft² / 10.87 m²

Type: Downwind rotor with stall regulation control

Direction of Rotation: Clockwise looking upwind

Blade Material: Fiberglass reinforced composite **Number of Blades:** 3

Rated Speed: 50-325 rpm **Tip Speed:** 66-213 f/s / 9.7-63 m/s

Alternator: Slotless permanent magnet brushless **Yaw Control:** Passive

Grid Feeding: Southwest Windpower inverter 120/240 VAC 50-60/Hz

Braking System: Electronic stall regulation with redundant relay switch control

Cut-in Wind Speed: 8 mph / 3.5 m/s **Rated Wind Speed:** 20 mph / 9 m/s

User Control: Wireless 2-way interface remote system

Survival Wind Speed: 140 mph / 63 m/s

1. Based on a 12 mph (5.4 m/s) wind and utility energy cost of \$.09/kWh

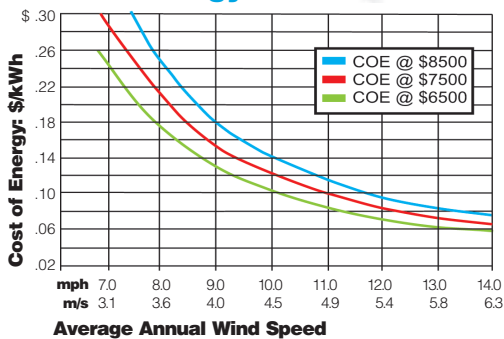
2. Taller towers are available

3. 120V will be available in the 4th quarter of 2006

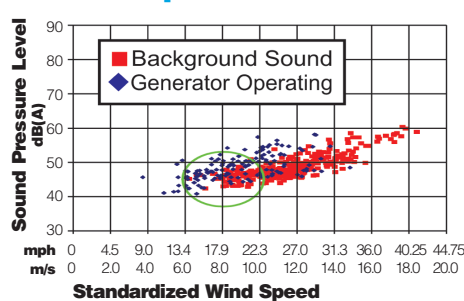
4. Assuming the Skystream 3.7 is producing more energy than the load is consuming



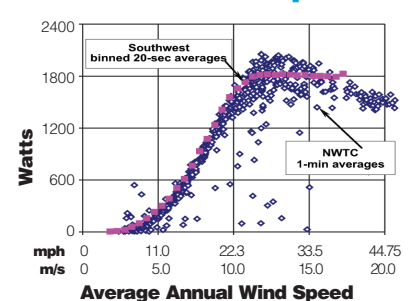
Cost of Energy



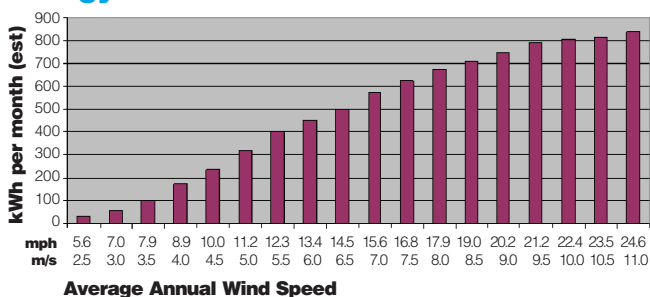
Sound Report



Performance Graph



Energy



Southwest Windpower

Renewable Energy Made Simple

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