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## XDOBS.COM LLC



### wind powered freezer / refrigeration no electricity

[USA]

Posted Date: March 10, 2007 Expiry Date: September 10, 2007

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#### Description

5 cubic foot freezer that is entirely powered by wind energy. It uses no electricity and as such is immune to EMP and electricity failures. It can optionally provide refrigeration and the wind collector can be up to 200 foot away from the freezer box allowing the wind collector to be mounted on the roof and the freezer inside the house.

This system is ideal for people who live in hurricane zones and may need to keep food cold for an extended period of power outage.

This design has shown a 70F drop in temperature with 8 MPH winds and has withstood winds over 50 MPH with no damage. It does not use any refrigerant or other caustic chemicals.

We have had very good results from horizontal wind collectors that can be mounted on roofs in less than 2 vertical foot and are very light weight. This makes it relatively easy to have an indoor freezer or fridge powered by outdoor wind and only needs a couple of tubes running in-between. There is no electricity involved so the cold is stored in the form of a human safe antifreeze solution.

This 5 cubic foot chest style freezer is capable of maintaining 25F on an average of 3 hours per day of 8 MPH winds. The additional cold from times of excess wind is stored in an interior liner filled with a human safe propylene glycol solution that freezes at 15F. The low phase change temperature helps keep the food below freezing even during extended periods of no wind.

Refrigeration housing with special fittings to regulate the temperature at additional cost. Unit not designed to be moved when loaded. Propylene Glycol antifreeze must be obtained from local sources. Portions Paten Pending USA

Is anybody interested in a light weight electricity free freezer for use in off grid locations and if so what price point would we have to hit to attract a domestic audience.

#### Other Information

Location: **USA**Minimum Order: **5000**

Price for Minimum Order: **250 - Single units available for testing \$10,000**

(This price is only for minimum order. for large quantities, please contact)

Sample Available: **No**

Related Categories: [Solar](#), [Recycling Energy](#), [Refrigerator & Freezer](#), [Refrigeration & Heat Exchange](#)

Related Keywords: [wind power](#), [wind generation](#), [refrigerator](#)

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