

## Do You Have All The Information You Need To Choose A Wind Turbine?

Home wind turbines typically do not deliver their maximum rated output. Why is this the case? Simply because surface and near-surface winds are generally neither strong nor consistent enough to rotate the propellers at their "best RPM range" all of the time. Raising the turbine to higher elevations usually increases the average current output because wind strength typically increases at higher elevations/altitudes although wind directions still remain variable.

The same wind supply irregularity makes wind power unsuitable as a fixed, demand-driven source of energy unlike coal- or diesel-burning power plants that can be turned on or off according to consumer demand. This situation can change, however, if superconducting charge (or current) storage devices become more affordable. Very large-capacity battery banks, or very large batteries, or super capacitors could also be designed for the purpose of storing enormous amounts of electricity.

Small wind turbine generators have been available in the US since the 1920s. The Jacobs Wind Electric Company consistently sold 1- to 3-kW wind turbines to farmers in North America and around the world till the US rural electrification grid came fully online in the late 1940s, thus reducing the demand for independent energy supplies.

Because wind turbines are based on old technology they are generally reliable and moderately easy to keep working for anyone who is even a reasonably good mechanic. Once you have put the turbine up and get it running then you shouldn't really expect to have to do many repairs or maintenance for a long while.

A Jacobs wind turbine unit was fitted at the South Pole by members of Richard Byrd's Antarctic expedition in 1933. Jacobs wind turbines are still available for sale in the US today. Wind turbines could be viable alternative sources of energy for household or commercial end-users. Denmark currently sources about 20% of its national electrical energy supply from offshore wind farms.

## About the Author

Learning [how to make a wind turbine](#) that can endure for a reasonable period of time is not simple but with the right guide book it can be done. Your own [wind turbine](#) can reduce the electricity bills dramatically.

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