



50w wind generator

50w wind generator

The Leading EdgeLE-v50 Extremevertical axis wind turbine is a compact, silent and lightweight turbine designed for battery-charging of low power electronic devices (not for domestic use).

These include data-loggers, radio and telemetry equipment in some of the world's harshest locations - Antartica, Greenland and Arctic Canada. The vertical axis design is able to work effectively in challenging conditions compared with a horizontal axis turbine, read thisarticle in Energy Engineeringmagazine.

Where wind guststo35m/s (80mph) or temperatures drop down to -40degC, the LE-v50 Extreme turbine is the wind turbine of choice. It features enhancements that reduce the stress and fatigue on the blades during prolonged periods of storm force winds.

Features include aluminium blades, polycarbonate cowlings, blade load spreader plates, an upper baffle plate to prevent damage to the upper cowling and the black body to reduce the build-up of rime ice.

Aluminium blades, proven Savonius rotor design and build quality enables it to survive winds up to 35m/s (80mph)

Easy to install in places where space is a premium

Low temperatures bearings and polycarbonate materials ideal for temperatures at -40degC

Designed for corrosive marine environment

The LE-v50 Extreme uses a proven 'Savonius' rotor design which gives silent and effective performance. Using the latest solid modelling and Computational Fluid Dynamic simulations, we have come up with an elegant 'cross-ventilated' rotor which provides good power conversion for a vertical axis wind turbine of this size.

This wind turbine will output 10 watts @ 12m/s (26mph) with a peak output of 70 watts according to the power curve if sited correctly - read oursiting advisory document.

The rotor is then coupled to our specially designed low inertia, zero 'cogging' axial flux permanent magnet alternator. Using Neodymium rare earth magnets, this alternator design has become one of the most field proven and effective alternators that is deployed across the entire range of Leading Edge wind turbines!

Unlike any other small wind turbine you will find, this turbine can even be allowed to run



50w wind generator

‘off-load’ with no connection to the batteries. The LE-v50 Extreme’s rotor design will limit its RPM automatically. If anything comes into contact with the rotating blades, it will be pushed away from the rotor rather than being caught by the spinning and causing damage.

Contact us for free full report

Web: <https://kary.com.pl/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

