



5 year  
warranty

## LE-300 Marine

Delivers the **lowest cost per watt**  
of any other marine turbine in its  
class



Designed &  
manufactured  
in the UK

marine & inland waterways

# LE-300 Marine Features



## Features

### High outputs

85W at 8m/s (15.5knots), 300W max

### Quiet

"Quieter than any I have heard", Sailing Today

### Power in everyday winds

In the cruising winds of 8 - 15 knots

### Rugged

Withstands the harsh marine environment

### Light

Weighs just 6.5Kg, easy to install and ensures responsive reaction to gusty winds

### Piece of mind

Industry leading 5-year warranty

## Renowned for being quiet thanks to our Whispower™ blade design

**This compact and quiet horizontal axis turbine is considered to be the lightest, most powerful and quietest turbine in its class. All at an affordable price.**

The LE-300 Marine is designed around a unique low inertia axial flux generator which utilises Neodymium rare earth magnetic materials.

This alternator has zero 'cogging' which, together with its highly efficient Whispower blades, allow the turbine to generate power at very low wind speeds and deliver a higher output than the competition in high wind speeds.

Designed for life on the oceans, the turbine is marine quality finished - aluminium alloy chassis and stainless steel components are protected from the elements with aerospace grade coatings and anodising.

The LE-300 Marine is fitted with stainless steel counterweights that prevent the turbine from spinning out of the wind in choppy waters. Noise levels are 6dB(A) above background.

# LE-300 Marine Technical

**Rotor diameter** - 1 metre

**Rotor Type** - 3-Blade upwind

**Blade Material** - Glass Reinforced, UV resistant Nylon

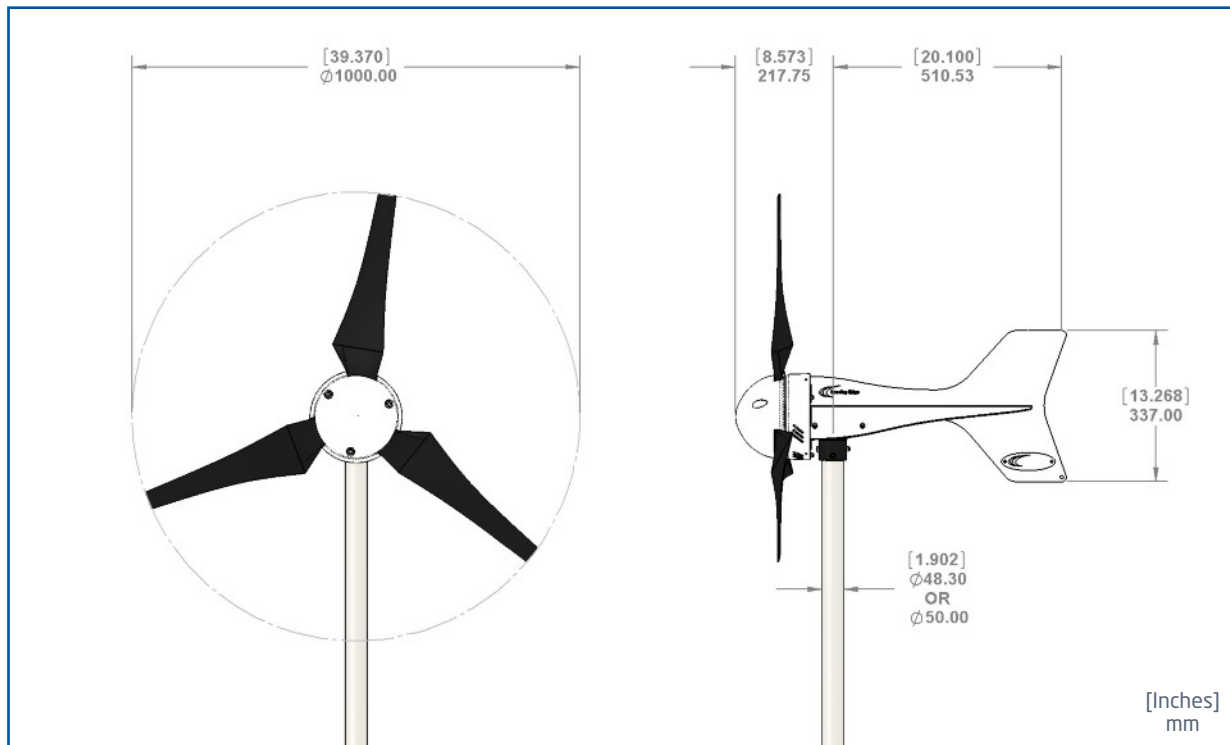
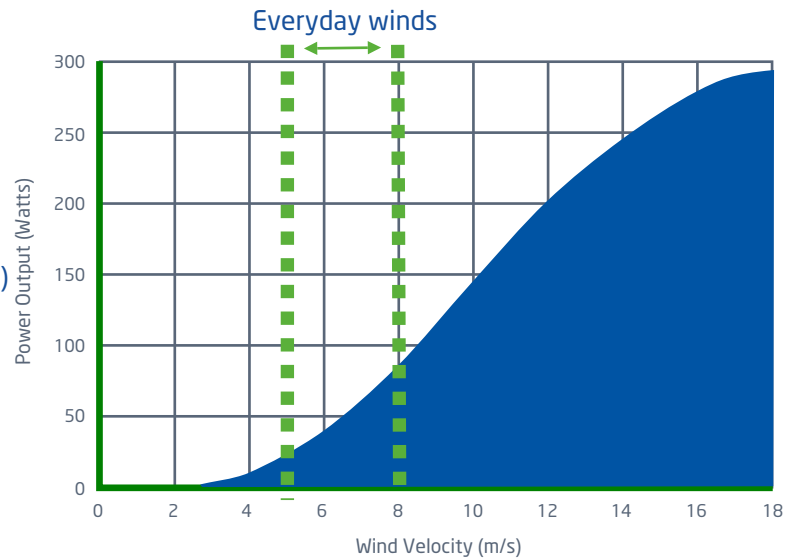
**Rated output** - 85W at 8m/s (15.5knots)

**Peak output** - 300W

**Cut-in speed** - 3m/s (6knots)

**Weight** - 6.5Kg

**DC output voltage** - 12V, 24V or 48V



The LE-300 is precision engineered in the UK with only two moving parts so little maintenance is required during the turbine's long operating life.

In a typical stand alone system, the turbine sits on a pole (50mm outer diameter) and is connected to a battery bank via a maintenance (run/stop) switch. A charge controller is used to divert excess power to a dump load when your batteries are full. The LE-300 is often combined with Solar PV panels to keep batteries charged whether you're out on the high seas. Both systems are connected directly onto the batteries and each has their own controller.

# LE-300 Marine Applications



- **Blue-water sailing**
- **Inland waters**
- **Canals and rivers**

Our LE-300 horizontal axis turbine is a quiet and powerful yet lightweight 300 watt wind generator for battery charging applications in the marine environment.

Wind turbine performance is subject to many factors. All output data contained in this document is indicative and actual turbine outputs will depend on the prevailing site and installation conditions.

Your local distributor



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