Leading Edge

Local Power Worldwide

Powerful
Quiet
Lightweight

LE-600

Generates **high power output**
in all wind conditions

residential & industrial off-grid

Designed &
manufactured
in the UK

LE-600 - Features

LE-600

Generates **high power output** in all wind conditions

Features:

Powerful
160W at 8m/s (17.8mph), 750W max

Quiet
Ideal for acoustically sensitive locations

Lightweight turbine head
At 19.5Kg, the turbine is easy to install on high masts, reducing the cost of mounting structures

Whispower™ blades
Low acoustic emissions from the advanced aerofoil blade design

Robust design
Stainless steel and aluminium alloy with sealed bearings

Precision engineered to be robust and maintenance free

The LE-600 is a downwind turbine that is light and robust yet delivers fantastic power output in all wind conditions.

The LE-600 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 and low 'TSR' 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.

The LE-600 survives winds of up to 18m/s (40mph) by means of a passive aerodynamic design that reduces turbine RPM and power output at a certain threshold.

The downwind design reduces the size and weight of the turbine, whilst ensuring that there is no tail boom to amplify natural vibrations and eventually fail.

LE-600 - Technical Overview

Rotor diameter - 1.54 m

Rotor type - 3-Blade downwind

Blade material - Glass reinforced nylon

Rated output - 160W at 8m/s (18mph)

Peak output - 750W

Cut-in speed - 3m/s (6.7mph)

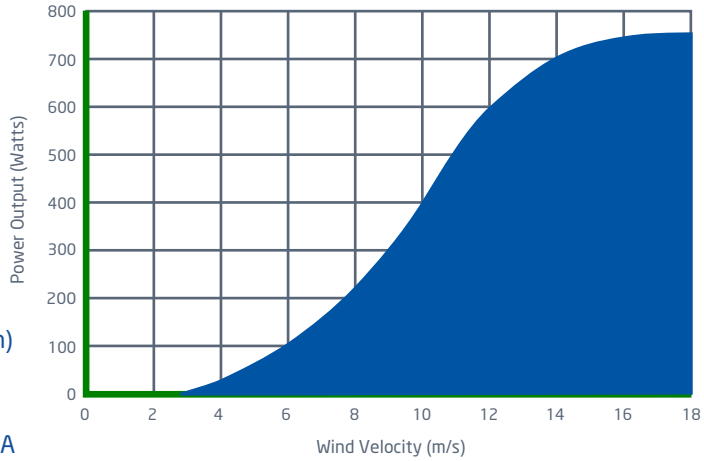
Warranted survival wind speed - 17m/s (40mph)

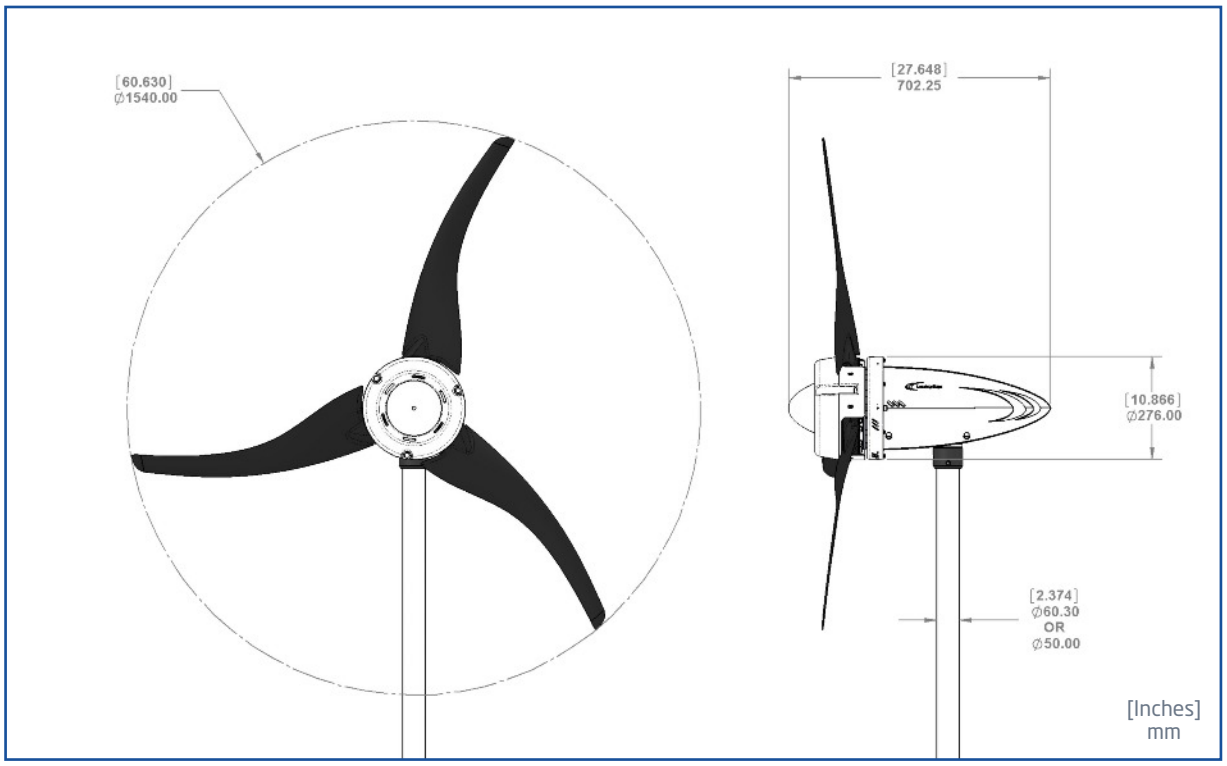
Typical gust wind speed - 27m/s (60mph)

Generator type - 3-Phase brushless NIB rotor PMA

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

Weight - 19.5Kg **Warranty -** 2 years





The LE-600 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 tower (see our Guyed Tower Kit) and is connected to a battery via a run/stop switch that allows the turbine to be safely braked and electrically isolated from the circuit. A diversion charge controller is used to divert excess power to a dump load when your batteries are full. The LE-600 can be combined with Solar PV panels in 'power hungry' off-grid renewable energy systems.

residential & industrial off-grid

LE-600 - Applications

- **Off-grid**
- **Domestic power**
- **Battery charging**
- **Remote telemetry**
- **Environmental monitoring**
- **Telecommunications**

The LE-600 is a downwind horizontal axis turbine that is light and robust yet delivers fantastic power output in all conditions. It is designed for 'power hungry' off-grid industrial applications.

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

Leading Edge

Leading Edge Turbines
Skyrrid Farm | Pontrilas
Herefordshire | HR2 0BW

Call +44 (0)1981 241668 | Email info@leturbines.com