

Powerful
Storm-proof
Lightweight

LE-3000

The perfect turbine for
**maximising annual energy
yield** for battery charging
systems



Designed &
manufactured
in the UK

LE-3000 - Features



LE-3000

Maximise **annual energy yield** for battery charging systems

Features:

Powerful

1 100W at 8m/s (17.8mph), 3200W max

Flight control computer

Provides control in storm conditions

Lightweight turbine head

Easy installation with free-standing hydraulic towers

Downwind layout

Good yaw performance in turbulent conditions

Robust design

Stainless and galvanised steel with aluminium alloy and sealed bearings

Whisper™ Blades

Ensure low acoustic emissions

Designed for longevity in harsh environments

The LE-3000 is a robust downwind turbine that can generate between 1800kWh and 3200kWh of electricity per year, depending on average wind speed.

The 3.3m diameter rotor gives excellent energy yield at common wind speeds whilst the Flight Control Computer keeps the large swept area under control and protected during high winds.

The high efficiency dual rotor axial flux alternator uses high strength neodymium magnets which results in low start up wind speed and high power production in all winds.

The battery charging LE-3000 is equipped with wild AC power transmission from the turbine to the 'Flight Control Computer'. This means that thinner, cheaper transmission cable can be used to carry the power over long distances.

The LE-3000 is engineered to last - galvanised steel and stainless steel components are protected from the elements with aerospace grade coatings and anodising.

www.vannhandel.no
www.leturbines.com

LE-3000 - Technical Overview

Rotor diameter - 3.3 metres

Rotor type - 3-Blade downwind

Blade material - Glass reinforced Composite

Rated Output 1100W at 7.8m/s (17.4mph)

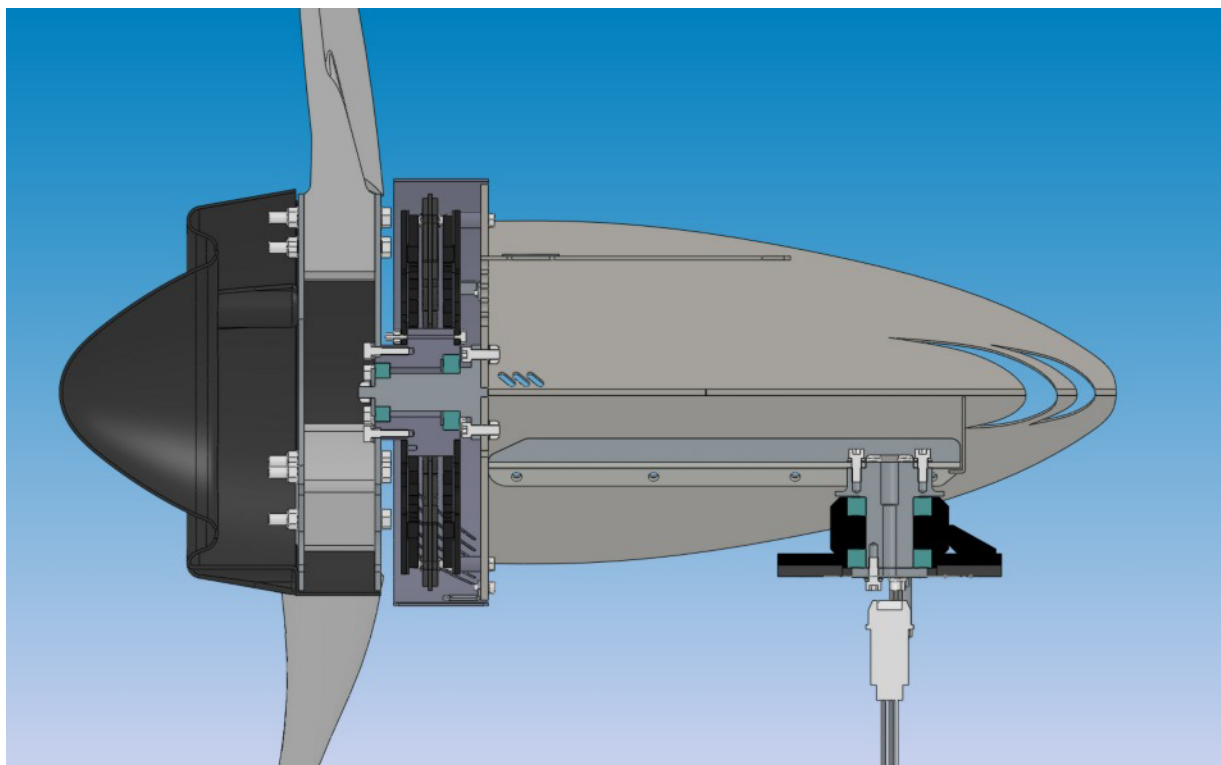
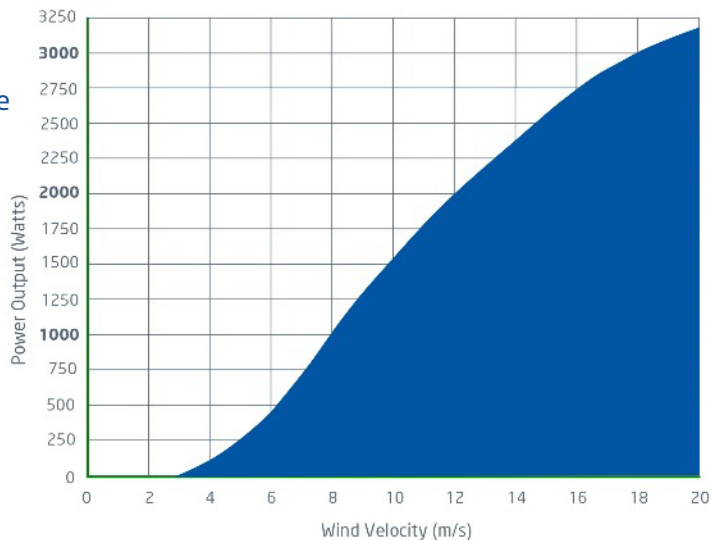
Peak output - 3200W

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

Weight - 80Kg

Output voltage - 24V or 48V

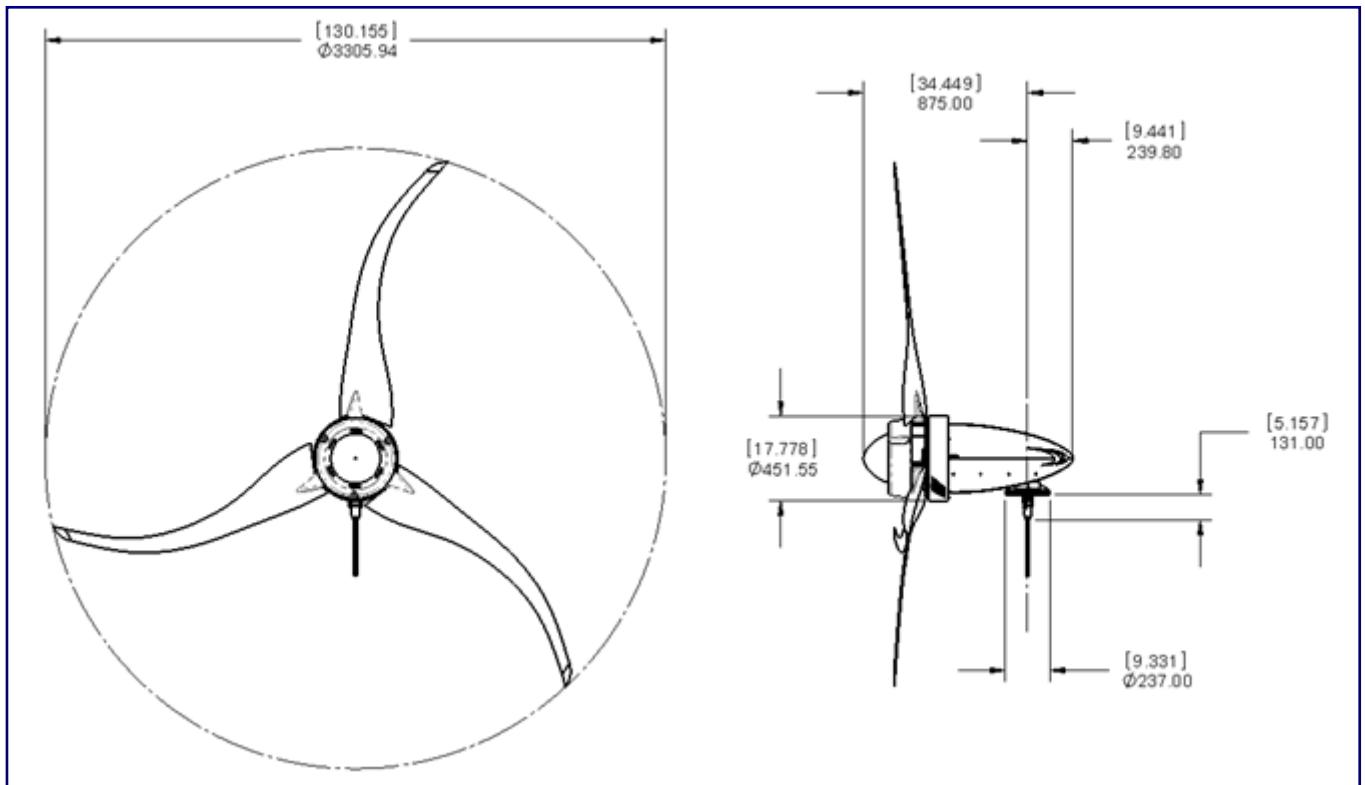
Warranty - 2 years



The LE-3000 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 and is connected to a battery pack via a run/stop switch that allows the turbine to be safely braked and electrically isolated from the circuit. In addition, a Flight Control Computer ensures the turbine is safely managed in storm conditions. The LE-3000 can be combined with Solar PV panels in 'power hungry' off-grid renewable energy systems.

LE-3000 - Applications



- Off-grid
- Domestic power
- Security
- Telemetry
- Telecommunications

The LE-3000 is a downwind horizontal axis turbine that provides substantial amounts of power for off-grid industrial systems or for residences/eco homes.

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.

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