



Local Power Worldwide



**LE-v50**

**Robust    Silent    Reliable**



Designed and Manufactured in the UK

[leturbines.com](http://leturbines.com)

# LE-v50 | Features

The LE-v50 represents a new development in the Leading Edge product range.

The LE-v50 is designed to fill a gap in the market where small amounts of power are required in extremely harsh environments. Because of this, the LE-v50 is virtually indestructible having passed the tests of an Antarctic winter with flying colours.

The LE-v50 utilises a cross-ventilated 'savonius' vertical axis rotor coupled with the well proven axial flux alternator design that has been successfully used on all of our turbines. This gives power outputs of up to 70 watts in absolute silence. This eliminates the need for complex slip-rings and yaw pivots that are often prone to wear and tear.

The small foot print and light weight mean the turbine can be installed in a of variety positions with ease.

The turbine will receive the of wind from 360 degrees without the need to yaw into position.

The LE-v50 has the ability to self regulate without the need for external charge controllers which add cost and complexity and has been proven to survive through sustained high winds without the need for manual intervention.

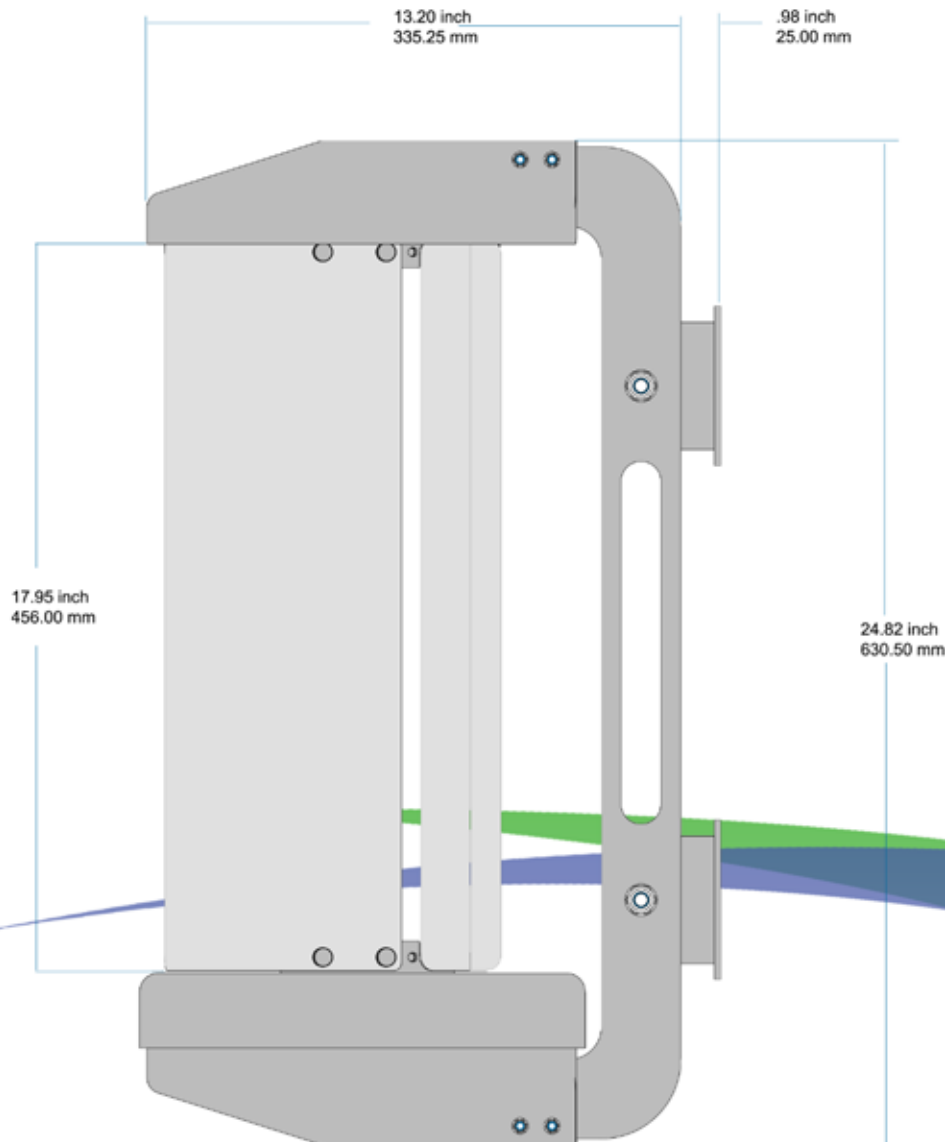
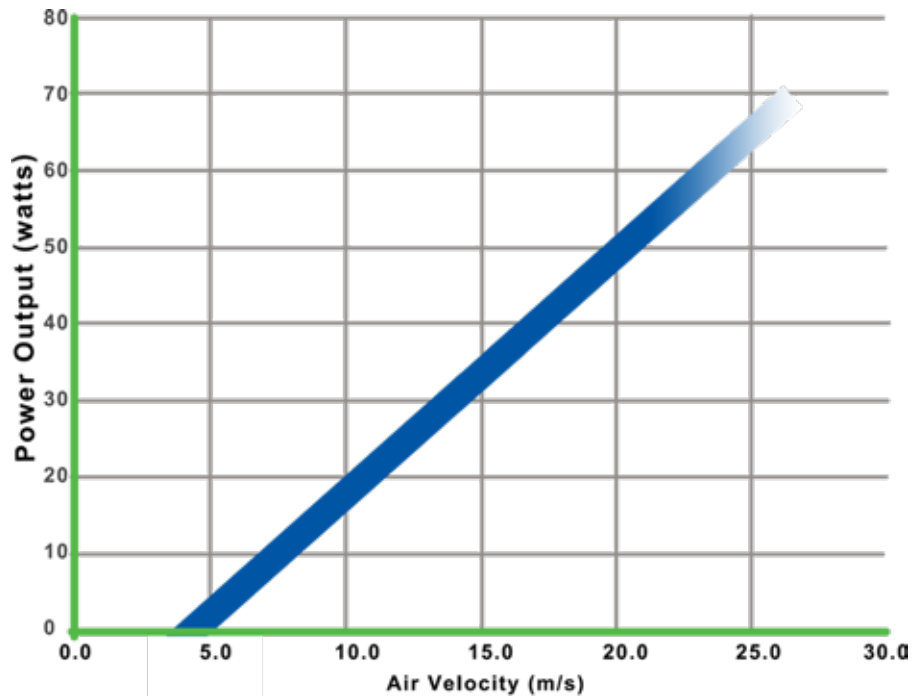
The LE-v50 is the perfect turbine for trickle charging batteries in the marine environment or providing small amounts of power for electronic equipment in harsh environments.



- **Robust Design**  
Proved longevity in the severest surroundings.
- **Cross Flow Ventilated Rotor**  
Far higher output than similar vertical axis turbines
- **Double Bearing Arrangement**  
Superior to cantilever designs.
- **Silent Operation**  
Can be deployed in all sound sensitive locations.
- **Marine Finish**  
Top quality components lasting performance.
- **UK Design and Manufactured**  
Well engineered and assured quality.

# LE-v50 Technical

Power Curve



Rotor Diameter:	<b>200mm</b>
Rotor Type:	<b>Vertical Axis</b>
Blade Material:	<b>Aluminum</b>
Rated Output:	<b>11watts @ 8m/s</b>
Peak Output:	<b>70watts</b>
Cut-in speed:	<b>4m/s (9mph)</b>
Weight:	<b>9 Kg</b>
Generator Type:	<b>3-Phase Brushless NIB rotor PMA</b>
Output voltage:	<b>12 or 24V</b>
Lifetime:	<b>20 years</b>
Warranty:	<b>2 years</b>

- Marine
- Extreme Environments
- Trickle Charging
- Off-Grid
- Battery Charging
- Environmental Monitoring

## Your Local Distributor

## Contact Details

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