

Local Power Worldwide

LE-v150

**The perfect silent turbine
for battery charging applications**



Whilst every effort has been made to ensure the accuracy of this specification, we cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

For pricing or any further information, please contact Omni Instruments Ltd.



Output

24W at 8m/s (17.8mph), 200W max

Robust Design

Only one moving part so little can go wrong

Ideal for sub-zero temperatures

Keeps on working down to -30 degC

Small and compact

Easy to install in places where space is limited

Silent Operation

Noise produced is below that of background level

Lightweight

Weights just 13Kg

Proven in some of the most challenging environments

This robust and compact vertical axis turbine is designed for a host of different battery charging applications, ranging from marine to data communications and rural broadband.

The LE-v150 uses a proven cross-ventilated 'savourious' rotor design which gives excellent power conversion for a vertical axis turbine of this size. It's design means it can survive storm force winds that would destroy a traditional horizontal wind turbine. The turbine will receive the wind from 360 degrees without the need to yaw into position.

At 270mm wide, the turbine fits into spaces that a traditional horizontal axis turbine simply can't.

The LE-v150 has fully lubricated sealed bearings, so no greasing or maintenance is required. With only 1 moving part and no brushes or sliprings to wear out, there is little to go wrong.

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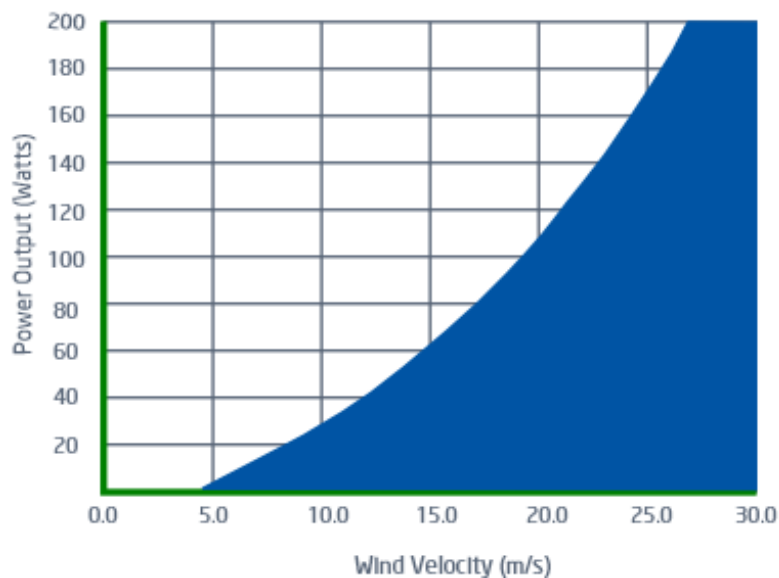
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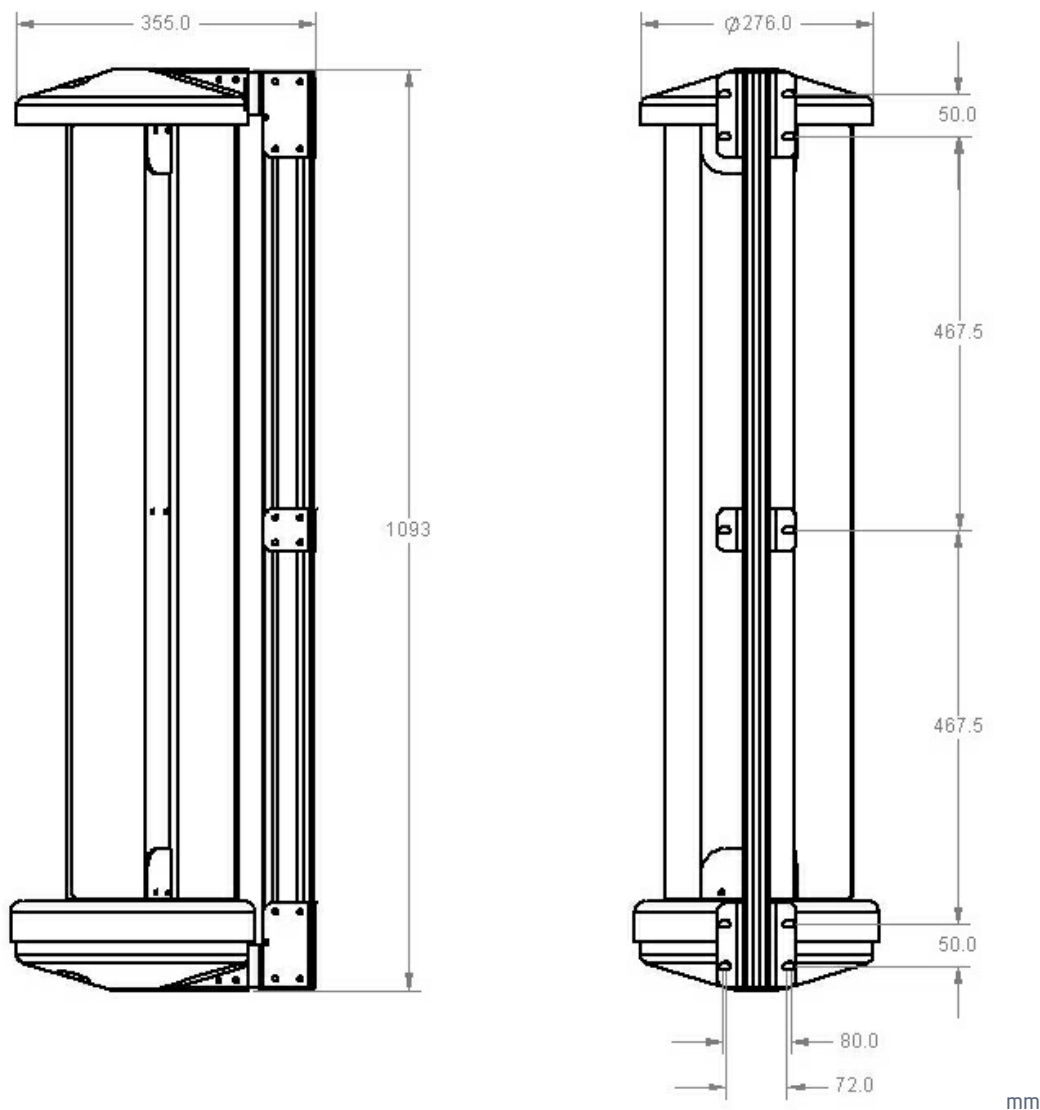
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vRotor diameter - 270mm
 Height - 918mm
 Rotor type - 3-Blade savonius
 Blade material - Aluminium
 Rated output - 24W at 8m/s (18mph)
 Peak output - 200W
 Cut-in speed - 5m/s (11mph)
 Survival wind speed - 27m/s (60mph)
 Weight - 9Kg
 Warranty - 2 years
 DC Voltage output - 12V, 24V, 48V



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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- Data logging
- Telemetry
- Security
- Marine
- Data communications
- Environmental monitoring

Our LE-v150 vertical axis turbine is suitable for trickle charging marine batteries or powering data logging/comms equipment in remote locations.

In a typical stand alone system, the LE-v150 sits on a tower (see our Guyed Tower Kit) 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 the batteries are full.

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