

LE-3600

Provisional Tech Spec Sheet



About the LE-3600

Drawing on over 10 years of small wind turbine design and manufacture, the LE-3600 has been specifically designed to allow maximum input to a grid-tie system under G83 regulations making it the ideal turbine for a domestic installation. The large rotor diameter gives excellent energy yield at everyday wind speeds whilst the active flight control computer keeps the larger swept area under control in high winds and storm conditions.

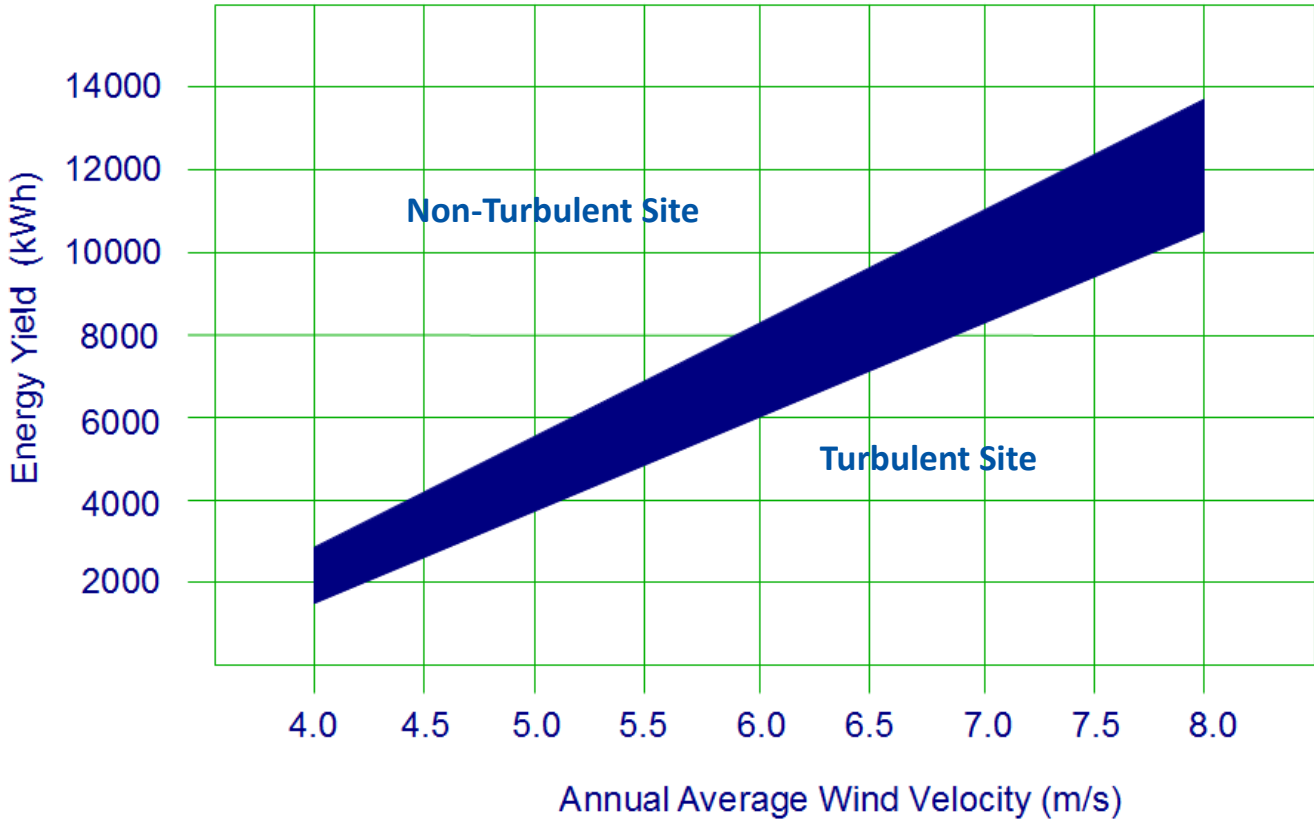
The high efficiency axial flux alternator features the latest rare-earth Neodymium Iron Boron magnet

technology which gives effortless start-up with no cogging in the lowest wind speeds allowing the LE-3600 to be generating power whilst other turbines remain stationary. Furthermore, the unique downwind blade design is optimised through advanced aeronautical engineering to maximise energy yield whilst keeping rotor noise to a minimum and eliminating tower wake effects.

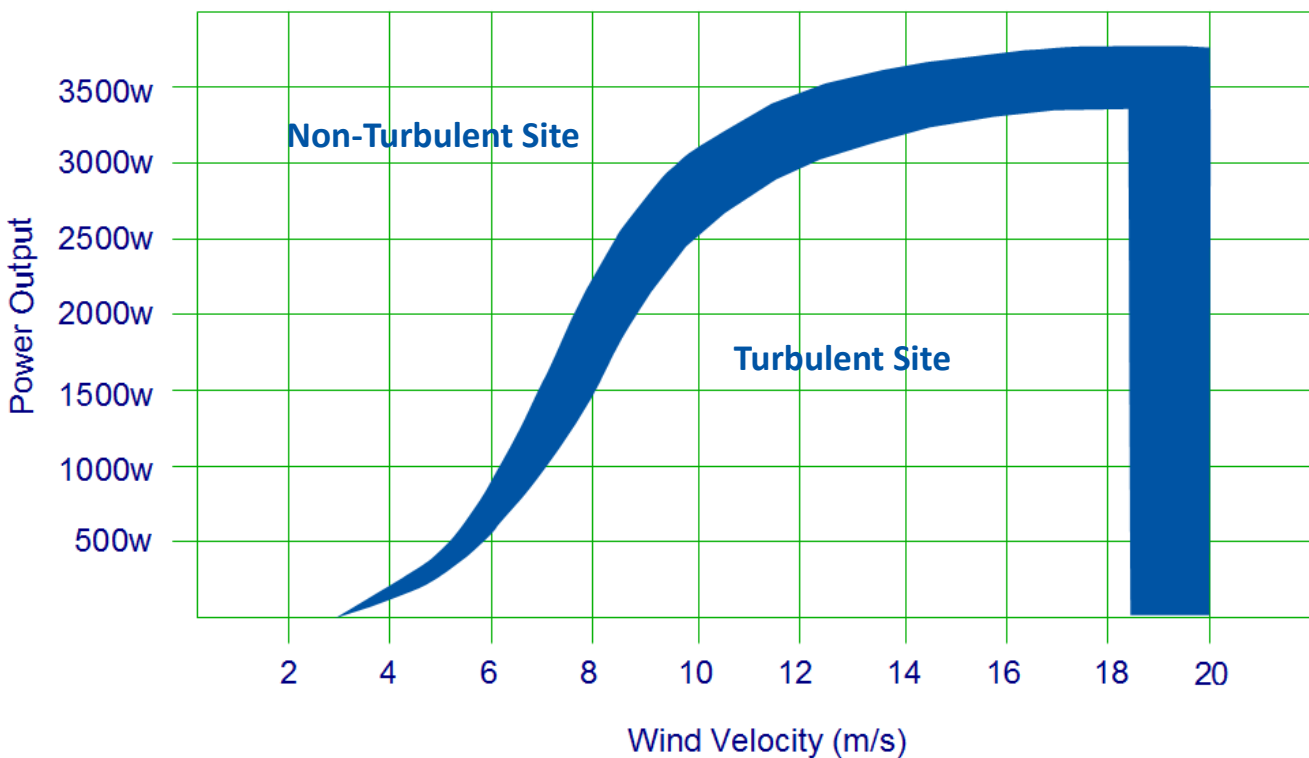
The LE-3600 has been designed for connection to a single phase supply with the world leading and proven SMA inverter. The patented control system works in conjunction with the inverter and provides over-voltage and general power control throughout the operating envelope of the turbine.

10 metre or 15 metre tapered, sectional, free standing towers have been designed for exclusive use with the LE-3600. The hydraulic lift and lowering capability of these towers allow positioning in locations which may otherwise be impossible and allow fast, safe and easy installation and maintenance of the tower top equipment. As with all Leading Edge products, the LE-3600 has been designed and manufactured in the UK to the highest international standards to give maximum performance to value in the most demanding environments.

Estimated Annual Energy Production

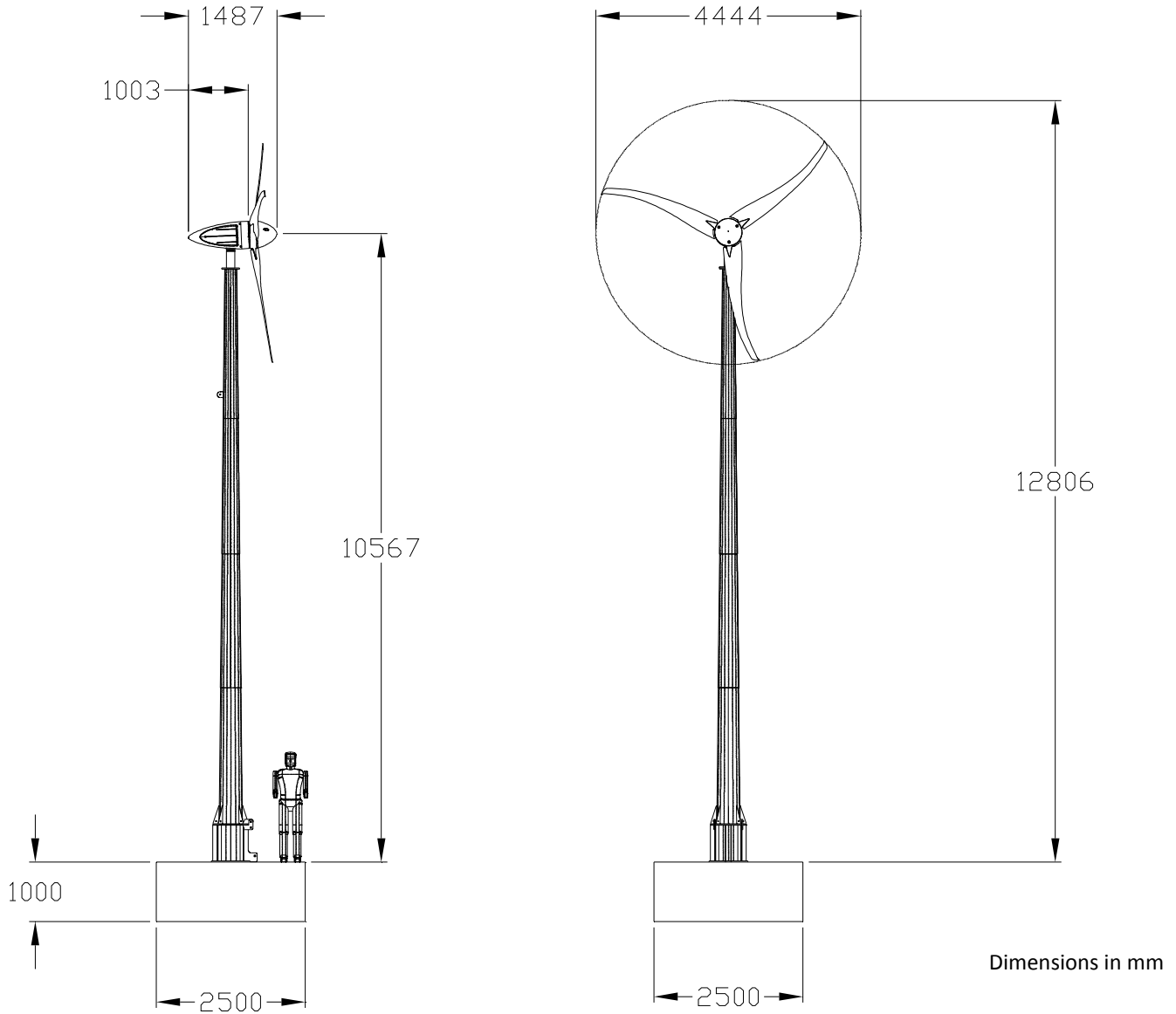


Estimated Power Curve



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Specifications

Rotor Diameter:	4.4 metres
Rotor Type:	3-BladeDownwind
Blade Material:	Glass Reinforced Composite
Rated Output:	2000watts @ 7.25m/s (16mph)
Peak Output:	3600watts
Cut-in speed:	3m/s (6.7mph)
Estimated AEP:	3000-6500kWh per year Depending on site location & wind

Head Weight:	135kg
Generator Type:	3-Phase Brushless NIB dual rotor PMA
Grid-Tie Equipment:	SMA WB3800
Control:	Flight Computer, Auto Shut-down Over Voltage, Mechanical Brake
Acoustic Levels (at 30m):	53dB(A) Equivalent to normal speech
Lifetime & Servicing:	20 year Annual inspection recommended
Warranty	2 year