



**Up to 3000 watts of power from a high performance 3 blade turbine.  
Affordable clean electricity, adaptable to your needs.  
Reliable and convenient with a long-life design.  
Suitable for urban living.**

### Specifications

The next generation e400<sup>i</sup> is the next level in small wind turbine technology.

The e400<sup>i</sup> is compact and unobtrusive making it suitable for urban living, and is also suitable in all wind classes and has a low start-up torque that requires minimal wind to generate electricity.

Modern living demands more applications that require energy usage. Every feature of the e400<sup>i</sup> optimises renewable energy generation, increasing energy efficiency and cost saving.

### Design

Three aerofoil blades, with a diameter of 4.0m, are managed by a passive pitch control system that allows the e400<sup>i</sup> to continuously generate usable energy in wind speeds that exceed rated wind speed.

This e400<sup>i</sup> has an advanced direct drive alternator that incorporates 3 main shaft bearings for longer life and increased reliability.

The e400<sup>i</sup> has an advanced design that moderates noise emissions effectively, making it an inconspicuous power source in all installations and environments.

### Applications

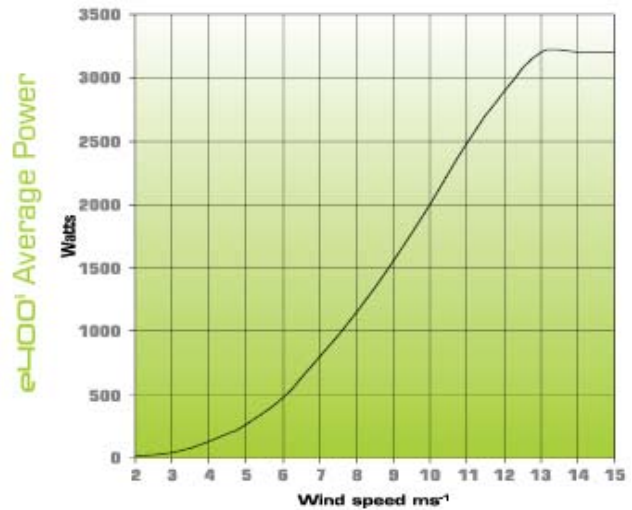
- To boost solar & other renewable energy installations, increasing cost effectiveness.
- Grid tie applications using approved inverters to reduce energy costs.
- Small wind farm installations.
- Generation of dedicated power for housing, community & health centres.
- Water pumping systems.
- Reliable power for repeater stations.

The e400<sup>i</sup> conforms to IEC standards and follows the provisions in the directives IEC 61400-2 (small wind turbines)



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### Power - Quality - Affordability



Wind Turbine Class	II
Rated Output	3000W
Maximum Power	3300W @ 12m/s
Rated Wind Speed	11m/s
Cut-in wind speed	2.8m/s
Generator type	PM Axial flux brushless
Rotor Diameter	4m
Number of Blades	3
Blade Material	Fibre glass
Tower top mass	150kg
Tower Height	12 - 15m
Tower Type	Tripod
Overspeed Protection	Pitch Control
Controller type	Charge Only
Output Voltages	48, 200, 300VDC