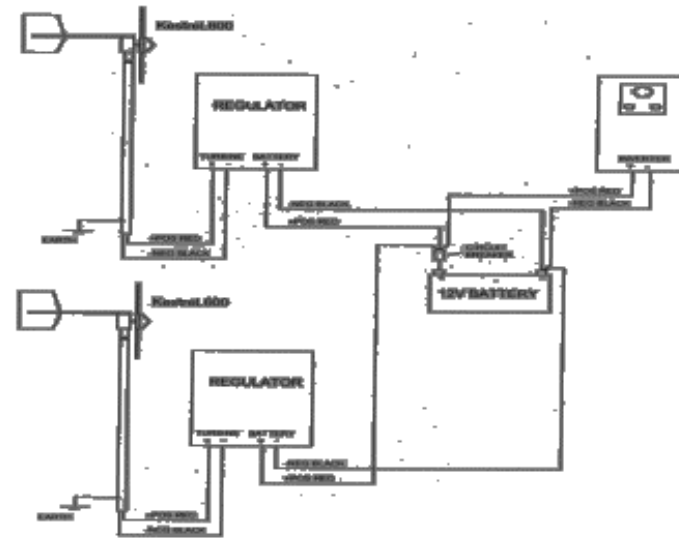




Wind Turbine Generators

Kestrel[®] Wind Turbines product information from 11/25/2003 Kestrel800

The Kestrel800 for ultimate Wind Power harvesting



Affordable Electricity from the Wind all year round

Saves on Fuel costs and replaces noisy Generators

Quite, reliable, maintenance free, long life design

For Stand Alone and Micro Wind Farm installations

Boost Solar Panle Arrays for hybrid generation

Full technical support and backup

The Kestrel800 is easily installed giving useful outputs in low wind. A 48 pole polyphase permanent magnet brushless alternator serves as generator. The KestrelL can be installed with solar panels for hybrid installations. Multiple turbines may be installed.

The Kestrel800 is the ideal solution for remote wind power with maintenance free all year round performance and enhanced light wind utilisation with high efficiency conversion.

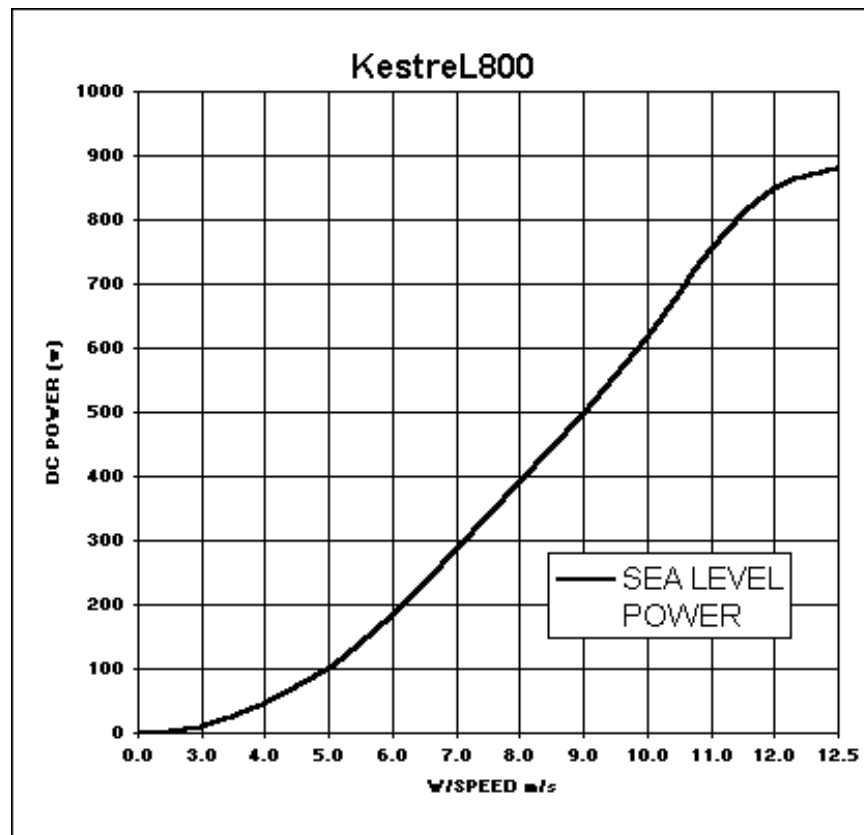
Charging starts at around 3m/s. The wall mounting regulator uses electronic shunt regulation to control the turbine output for optimum charging and continuous loading of the generator.

Kestrel® Shunt Regulator

The regulator is designed for continuous 24hr operation and uses industry standard electronics to control the turbine output at all times. The KestrelL can power the load (Lights, TV, radio etc.) and charge the battery at the same time. Accurate voltage regulation ensures correct battery charging with the rectified polyphase output of the

***Kestrel800
Regulator***

Kestrel800 minimising battery ripple current and extending battery life.



Both turbine and regulator fully comply with telecommunication EMC requirements

Two Kestrel800 turbines in paralell operation can generate an awesome 1.6kW power

Kestrel	Kestrel800 (3 Blade Rotor)
Rated Power	800W at 12m/s
Max. Power	850W at 12.5m/s
Rated w/speed	12.0m/s
Cut in w/speed	3.0m/s
Rotor diameter	2.1 m

No. of blades	3
Type of blade	Full NACA aerofoil
Tower top weight	35kg
Lateral thrust	400N
Speed control	Dynamic active tail
Regulator inc.	800W
Standard Vdc	12, 24, 36, 48
Protection	IP55

Designed and manufactured in South Africa

Note: Specifications may vary with continuing development and innovation

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