

EVEREADY™

kestrel

renewable energy

www.kestrelwind.co.za



Nelson Mandela Bay is Going Green

Imagine a World where you can generate your own electricity – hassle free. With Kestrel Renewable Energy, this is a reality.

The power of wind is without limits – it is the solution to the Windy City's power challenges. With Kestrel's innovative technology, wind and solar energy can be used efficiently and economically for power production – even in your own back yard! This process is quick and simple - our systems generate electricity from the wind and the sun.

You can now have solar and wind energy powering your home, school, church, community building, business or farm easily and economically using mains electricity supply integrated grid connected power systems!

We are a Proudly Port Elizabeth company and a subsidiary of Eveready, providing exclusive renewable energy systems. Our products are designed and manufactured in order to ensure quality of the highest standard.

We offer complete renewable energy solutions for all your needs. There may not be a perfect energy source – but at Kestrel we strive to achieve perfection through clean, renewable energy. We provide renewable power for life.

The Future is green and together we can achieve a better, more sustainable tomorrow. Make the difference, choose Kestrel Renewable Energy.

Advantages of Small Scale Embedded Generation (SSEG)

- Affordable, Renewable source of energy
- Clean energy supply
- Independent energy source. The public will benefit from using renewable energy systems as more users translate into less pressure on grid power.
- Environmentally friendly as no fossil fuels are burned



CONTACT US

For more information on our amazing renewable energy systems, feel free to give us a call. Extensive system design and advice to clients is readily available, with a troubleshooting support team ready to assist with any queries about our systems.

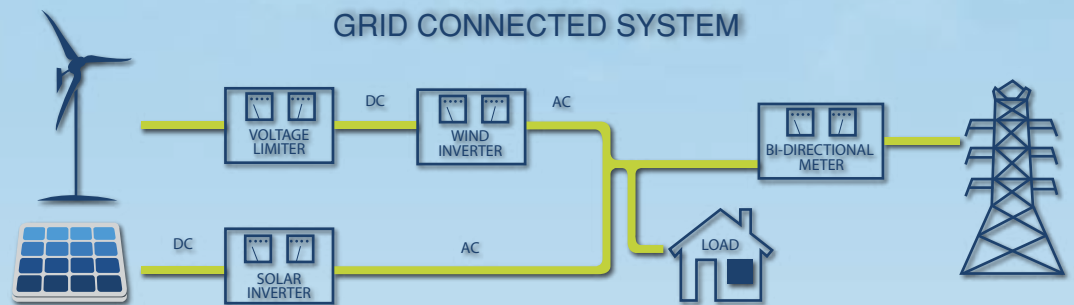
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Grid Connected Systems

Our renewable energy systems are the way forward – achieving clean, affordable energy. Reliability and achieving excellence is not negotiable.

Our systems may be connected to the electricity distribution system (the grid). The Kestrel system helps to reduce consumption of conventional utility-supplied electricity. If the renewable system is not producing enough at any given time, energy is then imported from the grid, and any excess electricity exported to the grid.

To properly connect to the existing supply, a grid tie inverter is used to achieve synchronisation. This ensures that the varying voltage from the Kestrel system is stabilised. The grid tie inverter is individually programmed to optimally harvest energy from the renewable sources.



How does it work?

The grid connected system works on units used – kWh(kilo Watt hours). A 6 kW -system generates about 970kWh per month. If you use 1000kWh, only the excess of 30kWh is billed by the municipality.

Conversely, if a system generates 970kWh and the household/business only uses 900kWh – the excess 70kWh will then be exported to the grid. The excess electricity fed into the grid from our systems lowers the consumers' conventional power usage quota.

We will design the system to suit your consumption patterns.

The SSEG Scheme has a 100 kW limit – any individual or company above this limit can apply for one of the many Eskom rebate programs.

The Kestrel Grid Connected System is available for the complete wind turbine range, including e160i (600W), e230i (800W), e300i (1000W) and e400n (3500W) system sizing.

What do I do next?

1. Identify your kWh usage per day
2. Visit our website to find an area representative or contact us at 041- 401 2500
3. System sizing process
4. System is sent to you
5. System is installed
6. Start producing your own electricity
7. Performance verification 6 months after installation

Hybrid Grid Connected Systems

The planning and installation of renewable energy systems requires research into the available energy from both wind and solar resources. Wind turbines and PV (photo-voltaic) systems are complimentary in a hybrid installation.

It is possible to generate output from one resource when the other is not available. During the winter months and at night when solar energy is less available, wind energy tends to be more prevalent.