

## Wind turbines for affordable electricity

K.G. Electric Solar Power Co., South Africa, offers wind systems for power generation. Kestrel 600 wind turbine generator is a quiet, reliable and maintenance-free unit designed for stand-alone and micro-windfarm installations. It helps save on fuel costs and can replace noisy generators. AIR wind generators are a low-cost solution to ensure batteries stay charged during windy periods when the sun is at its lowest. The AIR 403 is a new concept in wind turbine technology. This compact 400 W, 3-blade modular unit weighs around 6 kg and is ideal for hybrid and stand-alone systems in cloudy areas. The aerolastic twist of the blades slows the turbine down in high winds while allowing the turbine to keep generating power. While the AIR 403 Marine model can be installed on sailboats and homes on the coast, the 400 W AIR Industrial has been designed for industrial applications that experience very high windspeed averages like mountain top repeater sites, offshore sites, etc. All models of the AIR 403 (12 V, 24 V and 48 V) have a rotor diameter of 46 inches and come with a three-year warranty.

The Windseeker 500 W turbine from K.G. Electric has a regulator and comes with a 60 inch diameter rotor in two- or three-blade versions. A unique and patented upward-furling design allows this unit to produce power dependably in environments ranging from low wind to the extremes of stormy mountain tops. Its is available in 12 V, 24 V and 48 V versions.

'Whisper' quiet wind generators for deep cycle battery charging have a new black-on-stainless steel look and are designed for 20 year life with double-sealed yaw bearings, new enclosed alternator and sealed brush- and-slip ring assembly. Models H20 (500 W, 3-blade), H40 (900 W, 3-blade) and 80LV (1,000 W, 2-blade) are field-configurable for 12, 24, 36 or 48 V DC and include moulded fibreglass filled polymer blades. Model 175LV (3,200 W, 2-blade) is for 24 or 48 V DC, includes moulded carbon fibre-reinforced fibreglass over foam core blades. All the models have two-year warranty, lifetime brush-and-slip ring assembly patented "angle governor", and include EZ wire system centre with generator brake and LCD digital monitor. *Contact: K.G. Electric Solar Power Co., P.O. Box 1159, Randpark Ridge, 2156, Johannesburg, South Africa. E-mail: info @kgelectric.co.*

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