



Wind & Solar

Renewable Energy Experts

www.windandsolar.co.za

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REGENTM
RENEWABLES



ReGen VTGS5000 Wind Turbine:

- Torque Patent Technology: "Precise Coil" technology.
- Amazingly quiet operation with no vibration
- Power Curve Tracking Function
- Self-Adjustable MPPT track point
- Complete Protection Function
- Extreme wind resistance
- Low start wind speed
- Light weight & easy-to-install
- Long life expectancy, maintenance-free
- Using a disc coreless motor instead of traditional motors allows it to have less drag
- Higher reliability with 8 times longer lifespan than traditional motor
- RS232/RS485/RJ45/GPRS/WIFI/Bluetooth/Zigbee optional

ReGen VTGS5000

Rated Power	5kW
Max Power	6kW
Start Wind Speed	2.8m/s - (10,08 km/h)
Rated Wind Speed	11m/s - (39.6 km/h)
Working Wind Speed	3-25m/s - (10,8 -90 km/h)
Safety Wind Speed	50m/s (180 km/h)
Blades Length	5.2m (17.06ft)
Blades Rotor Diameter	4m (13.2ft)
Blades Material	FRP
Blades Quantity	3 Blades
Mill Weight	530kg
Swept Area	20.8 m ²
Tower Height	10m (32.8ft.)
Generator Type	Axial Flux Coreless outer rotor disc permanent magnet direct drive generator
Rated Speed	100RPM
Start Torque	<1N.M
Option Voltage	48-500V
Protection Method	Electromagnetic Brake + PWM(Pulse width modulation)
Protection Grade	IP54
Working Temperature	-40-50°C
Life time	20 Years
Brochure Updated	2021-01-18

