



Wind & Solar

Renewable Energy Experts

www.windandsolar.co.za

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REGENTM
RENEWABLES



ReGen VTGV3000 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 VTGV3000

Rated Power	3kW
Max Power	4kW
Start Wind Speed	2.8m/s - (10,08 km/h)
Rated Wind Speed	12m/s - (43.2 km/h)
Working Wind Speed	3-25m/s - (10,8 -90 km/h)
Safety Wind Speed	50m/s (180 km/h)
Blades Length	3.65m (11.97ft)
Blades Rotor Diameter	2.3m (7.5ft)
Blades Material	FRP
Blades Quantity	3 Blades
Mill Weight	355kg
Swept Area	9.490 m ²
Tower Height	6m (19.68ft.)
Generator Type	Axial Flux Coreless outer rotor disc permanent magnet direct drive generator
Rated Speed	160 RPM
Start Torque	<1N.M
Option Voltage	48-380V
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

