



# Wind & Solar

Renewable Energy Experts

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**REGEN**<sup>TM</sup>  
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## **ReGen VTGV1000 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 VTGV1000

Rated Power	1kW
Max Power	1.5kW
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	2.65m
Blades Rotor Diameter	1.4m
Blades Material	FRP
Blades Quantity	3 Blades
Mill Weight	175kg
Swept Area	3.71 m <sup>2</sup>
Tower Height	6m
Generator Type	Axial Flux Coreless outer rotor disc permanent magnet direct drive generator
Rated Speed	150 rpm
Start Torque	<0.3N.M
Option Voltage	24-220V
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