

3000 W Vertical Wind Turbine

Whirly3.0

Whirly3.0 vertical wind turbine is an extremely durable and efficient wind turbine of the latest generation. Whirly3.0 wind turbine has a technological and highly efficient vertical blade design and a permanent magnet generator having strong N42 neodymium magnets with steel slots inside. In case the wind speed is over 3 m/s, the turbine will be rotating freely by exceeding this holding torque. The maintenance-free sliding contact (slip ring) guarantees a good current flow and thereby no twisting of the cable in the pole. Whirly3.0 wind turbine generates AC Electricity to charge DC batteries or to feed an on-grid inverter to be connected to Grid.



Application

- Commercial and Industrial
- Residential and Resort
- Agricultural
- Remote Areas
- Off-Grid Power

Key Benefits

- Energy cost savings from wind generated power
- No scheduled maintenance
- Designed to reliably operate in harsh cold & hot climates
- Operation creates virtually no environmental impact
- Cost-effective and financially viable

Technical Data

Whirly3.0 Wind Turbine

Rated Power	3000 W (at 12 m/s)	Turbine Diameter	1500 mm
Type	3 blades, vertical	Blade Height	1447 mm
Generator	Permanent magnet, brushless, gearless, Maintenance-free	Blade Material	Aluminium
Housing Material	Aluminium	Weight per rotor blade	650 g
Operating Voltage	0 - 90 AC	Hub Flange	Cast Steel
Current	3-Phase-AC	Starting wind speed	3 m/s
Total Turbine Mass	85 kg	Direction	in a clockwise direction
Max. Noise	30 dB	Blades Max. RPM	450
Life Expectancy	>25 Years	Braking Method	EM Brake
Warranty	2 Years	European Standards	EN IEC 61400-2:2014
European Directives	Machinery Directive (2006/42/EC)		EN 60204-1:2018
	Low Voltage Equipment Directive (2014/35/EU)		EN ISO 12100:2010
	Electromagnetic Compatibility Directive (2014/30/EU)		EN IEC 61000-6-1:2019
			EN IEC 61000-6-2:2019



Highlights

