


1.5kW Wind Turbine Specifications

Model Name	IDEAL2000	
Model Number	X-2000	
Wind turbine type	Horizontal axis, up-wind	
Rotor diameter	1900mm	
Net weight	24.5 kg	
Tower diameter	49mm to 60mm according request	
Blades number	5	
Blades material	Caron fiber reinforced plastic	
Blades mass	660g /pcs	
Body material	Aluminum high pressure diecast	
Body construction	Inside screw joint	
Product finish	Clamp-based Thermosetting powder coating	
Tower Connection	flange connection or bolt-on clamp	
Start up wind speed	1.8 m/s	
cut in wind speed	2.5m/s	
Survival wind speed	50m/s	
Rated Power	1.5 kW (13m/s)	
Rated Rotor Speed	750 rpm	
Maximum power	2000W (20m/s)	
Mass per watt	14.6g/w	
Working Temp. range	from -40°C to 60°C	
Product Life (years)	15	
The sound pressure level	LAeq 32dB @ 5m/s @ 5m behind rotor (an air density of 1,225 kg/m ³)	
Generator	Synchronous-type, three-phase power generator with neodymium iron boron magnets	
Rated Output voltage	Off grid 48v or 96v or 108v DC ;on grid 110v DC	
Braking system	Electro-magnetic & blade over speed aerodynamic braking system	
Yaw control	360 degree free yaw	
Direction control	Tail tracing	
Control system	Brake mode	
	safty control	
	Anti-island control (when grid tie)	
Recommend ed system	Off grid: deep cycle lead acid battery	
	On grid, pls contact your dealer	
<p>Note: At cut-in wind speed, it produces power, but it requires higher wind speed to charge battery or transfer to grid</p>		

CE Certified -European Conformity

EN-61400-2; EN ISO 14121-1 Wind Turbine Safety

EN 60034-1 Rotating electrical machines requirement

EN 61000-6-1;EN 61000-6-3 Electromagnetic Compatibility,immunity for residential,commercial and light industrial environments.

X-2000 Description:

- Silent & Vibration Free
- High Efficiency
- Perfect for Housing

The X2000 is the most efficient product of our range. The 1,5kW ratted generator associated with innovative technologies gift this model with an outstanding productivity for such a light and compact wind turbine. This new 5 blades wind generator now becomes ideal for residential purposes. Start cutting significantly into your electricity bill with the X2000.

10 Features

- ※ Low noise operation & minimal vibration
- ※ Low breeze start-up
- ※ High efficiency at low wind speed
- ※ 1,5kW rated power
- ※ Lightweight, only 24kg
- ※ Carbon fibre composite blades
- ※ Aerodynamic body design
- ※ Anti-rust, Anticorrosion & Long life span
- ※ Easy install & Maintenance-Free

Recommended uses

- Residential House
- Remote areas
- Business solutions
- Solar wind hybrid system
- Water pumping system

Output power:

