400W Wind Turbine Specifications

Model Name	IDEAL400
Model Number	X-400
Wind turbine type	Horizontal axis, up-wind
Rotor diameter	1330mm
Net weight	7.8 kg
Tower diameter	48-50 mm
Blades number	3
Blades material	Caron fiber reinforced plastic
Blades mass	300g /pcs
Body material	Aluminum high pressure diecast
Body construction	Completely one
Product finish	Clamp-based Thermosettmg powder coating
Tower Connection	bolt-on clamp
Start up wind speed	2.5 m/s
cut in wind speed	3 m/s
Survival wind speed	50m/s
Rated Power	400W (12.5 m/s)
Rated Rotor Speed	800 rpm
Maximum power	500W (14m/s)
Working Temp. range	from -40℃ to 60℃
Product Life (years)	15
The sound pressure level	LAeq 35dB @ 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 12V or 24V
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
Recommend ed system	Off grid: deep cycle lead acid battery

Note: At cut-in wind speed, it produces power, but it requires higher wind speed to charge battery or transfer to grid

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-400 Description:

- Silent & Vibration Free
- Light & Compact
- Perfect for Small Appliances

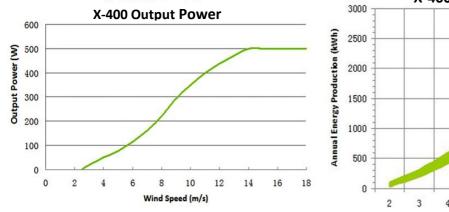
Our products are designed to achieve high standards of quality while being affordable to all. The X400 is one of the most convenient product of our range. We gave particular attention in making this model compact and lightweight while maintaining the same technologies we developed for larger wind turbines. This wind turbine was created to supply energy on the go. If you are planning a boat trip or a weekend in the wild the X400 is the ideal companion.

10 Features

- % Low noise & vibration
- * Low start-up wind speed
- % High efficiency at low wind speed
- % 400 W rated power
- % Lightweight
- % Carbon fibre composite blades
- % Aerodynamic body design
- % Anti-rust, Anticorrosion & Long life span
- % Easy install & Maintenance-Free

Recommended uses

- Small appliances
- Yachting
- Housing and outdoor activities
- · Solar wind hybrid system
- Monitoring station



Output power:

