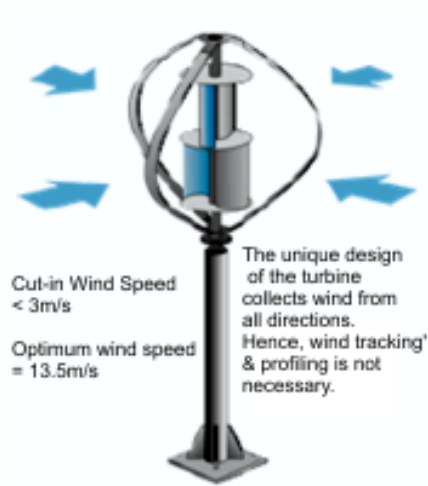


Unique Design

- Works in multi-directional Wind Conditions



- Works in low Wind Conditions



Direct Drive Coreless PMG in extreme low startup torque



- Outdoor Applications:
- ✓ eKiosks (with lights, fan, mobile, laptop charging).
 - ✓ eVehicle charging.
 - ✓ Run Pumps etc.

10x Electricity Generation*!

1/6th Space Savings*!

1 year Investment Payback!!!

*Compared to roof-top solar

Wide Applications:

- Roof-tops,
- Hills,
- Sea-side.

C(•)GNITIVE
ECHNOLOGIES
Solution by Innovation.





System Components

Kiosk – mobile, laptop charging, etc.



300W / 400W Charging Station:

~ Rotor
~ Generator
~ 12/14VDC Controller
~ 3m Pole with base
~ Cover on the bottom of the pole
~ 1500*1500 RC Foundation
~ Control Box
~ 12V 55AH Gel Battery
~ 150VA Inverter
~ 60W of Led Lamp
~ Anchor Bolt 30Ø-350X350
~ Wiring Tube for Control Box.
~ Wiring
~ Electrical panel
~ Umbrella shade - custom
~ Mobile charging point
~ LED lamp
~ Small fan
~ Photo sensor
~ Controller

General Specifications

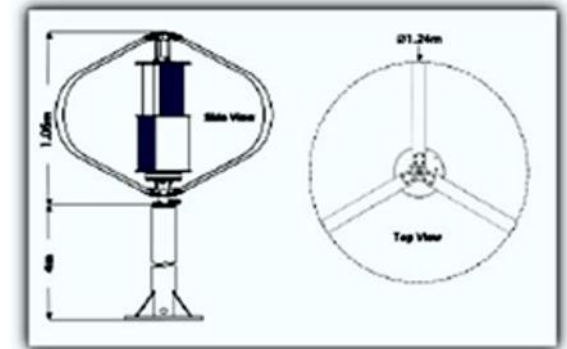
Rated Wind Speed	13.5 m/s
Cut in Wind Speed	<3 m/s
Survival Wind Speed	60 m/s
Rated Power	300W 400W
Rated Speed	835 rpm
Cut out Wind Speed	15.5 m/s
Dimensions/Weight	
Rotor Diameter	1.24 m
Rotor Height	1.06 m
Tower Height	4.00 m (minimum)
Total Height	5.06 m (minimum)
Turbine Weight	25.5 kg w/o tower
Rotor Specifications	
External Darrieus	3 blades
Internal Savonius	2 layers
Blades Material	Anodized aluminum
Axis Material	Galvanized steel SS400
Generator Specifications	
Generator Type	AC, 3phase, Synchronism PMG
Rated Output	300W 400W
Braking System	
Automatic	3-phase short circuit braking system
Manual	Optional
Operation Conditions	
Ambient Temperature	-10~40℃
Ambient Humidity	95% max.

Standard Warranty: 1 year from date of installation
Design Life: 20 years

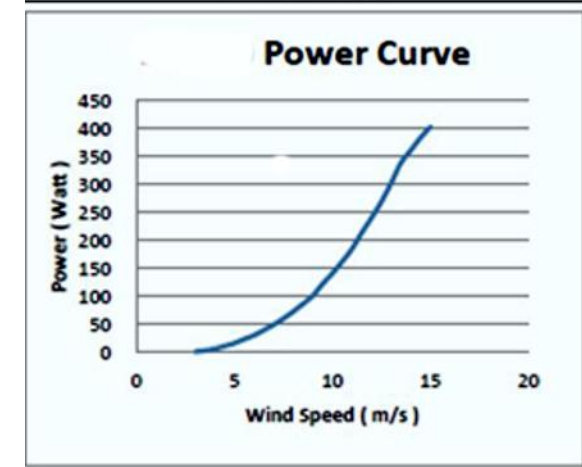
300W /400W Wind Turbine

Salient Features

Power Production Curve (vs Wind Speed)



Power Curve



Ordering Information:
Model: CT-300 or 400 system

Cognitive Technologies

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