



WHISPER -200 WIND TURBINE SPECIFICATION

General Configuration	Model	Whisper 200
	Rotation Axis	Horizontal
	Orientation	Up Wind
	Rotation Direction	Clockwise looking upwind
	Number of Blades	3
	Material of blades	Polypropylene/Carbon Reinforced
	Material of blade extenders & rotor shaft material	SS 304
	Rotor Diameter	2.72 M
	Body/housing	Cast Aluminum & MS duly marine coated as per ASTM B - 117
	Mount	2.5 inches
	Weight	30 kg
	Certification	ISO 9001-2008, CE, IEC 61400
Performance	Peak Electrical power (watts)	1000 watts peak (as per IEC 61400 test cert)
	1 min max average power output	700 watts average (as per IEC 61400 test cert)
	Rated/Voltage	LV model 24volts/36volts/48volts DC HV model 120volts/240volts DC
	Rated wind speed	11.6 m/s to 13 m/s
	Startup/Cut in wind speed	3.1 m/s
	Cut out wind speed	16 to 18 m/s
	Survival wind speed	55 m/s
Rotor	Swept area	5.8 meter square
	Rotational speed	1200 rpm
	Blade pitch	Fixed
	Direction of rotation	Clockwise
	Over speed control	Side furling & dump load
Yaw System	Wind direction sensor	By tail fin & tail boom
	Yaw control	Free/Passive yaw



WHISPER 200 WIND CHARGE CONTROLLER SPECIFICATION:

Wind Charge controller with dump load for 1000 Watt wind turbine.
<ul style="list-style-type: none"> • Capacity - ----V/ 1000 W
<ul style="list-style-type: none"> • Modular construction
<ul style="list-style-type: none"> • Auto change over to dump load through PWM switching in case of battery over charge along with manual over ride option for periodic equalizing charge of battery
<ul style="list-style-type: none"> • Status monitoring of battery low & battery high annunciation LCD display on front panel.
<ul style="list-style-type: none"> • Digital LCD display of the following:- <ol style="list-style-type: none"> (a) Wind turbine charging current. (b) Wind turbine charging voltage. (c) Wind turbine charging power in watts. (d) Monthly energy output in Kwh. (e) Cumulative energy output in Kwh. (f) Instantaneous wind speed in m/s. (g) Monthly average wind speed in m/s. (h) Cumulative average wind speed in m/s. <p>Note : (F) & (h) display activated after installation of our anemometer (Optional)</p>
<ul style="list-style-type: none"> • Powder coated surface for anti-corrosion.
<ul style="list-style-type: none"> • Built-in battery reverse current protection
<ul style="list-style-type: none"> • Output short circuit protection
<ul style="list-style-type: none"> • 1 Kw dump load for transfer of charging current from battery in case of over charge protection activation.