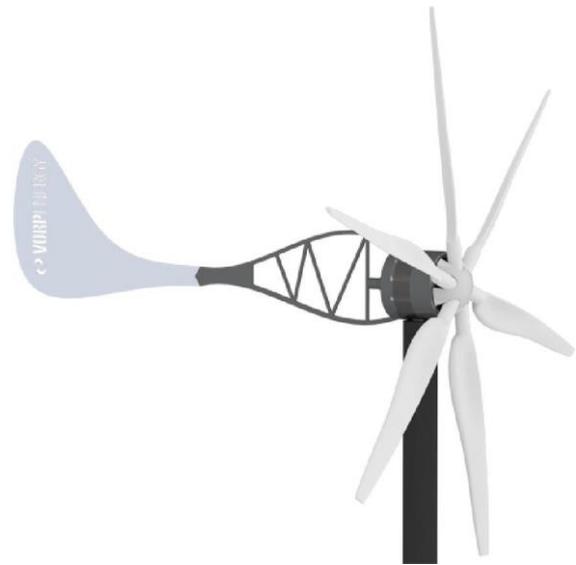


Product Description

KBC Wind Turbines are designed for easy installation. The body is made from Die Cast Aluminum, making it both sturdy, and lightweight (23lbs). The blades are Glass Reinforced Nylon, giving them high strength, as well as resistance to UV rays and fatigue. A brush-less generator, along with sealed bearings, all inside of a fully sealed enclosure ensure a long, maintenance-free service life. The unit includes an embedded smart battery charge controller, as well as a dump load resistor, which helps prevent premature braking and increases the total power delivered to the batteries. It also helps protect the turbine in high winds. The entire blade assembly can be installed or removed as one piece for a safer, easier installation, as well as for hurricane protection. Neodymium Iron Boron (NdFeB) magnets are used for higher power output. The whole system mounts to the inside of a standard 1.5" ID pole (41mm) with stainless steel hardware for corrosion resistance. An array of multiple turbines can be used to increase available power.



Product Features

- Integrated controller with dump load to optimize performance
- Wind turbine start-up wind speed of 4.5mph (2.1m/s)
- Smooth and quiet running maintenance-free sealed turbine
- Sealed die-cast aluminum housing for protection from harsh environments
- Very light and compact
- Easy installation and maintenance-free operation
- Electronic over-speed protection

Specifications

Wind Speed MPH	RPM	Amps 12V / 24V
4.5	120	.04 / .01
5.6	150	.23 / .08
7.4	200	.67 / .32
9.4	250	2.7 / 1.0
11.2	300	5.2 / 2.5
13.2	350	6.9 / 3.3
15	400	8.7 / 4.3
16.8	450	9.3 / 5.5
18.8	500	10 / 6.0
20.6	550	11 / 6.7

VWP450-24V	
Startup Wind Speed	4.5mph (2.1m/s)
Power Rating	300W @ 27.5mph
Max Power Output	400W
Battery Charge Voltage	29.4 to 30.4V
Turbine Voltage Output	12V / 24V Auto Detect
Rotor Diameter	3.9ft (1.2m)
Blade Material	Glass reinforced nylon
Body Material	Die Cast Aluminum
Weatherproofing	IP65 and Salt Mist Corrosion Protected
Over-speed Protection	Electronic with integrated dump load
Survival Wind Speed	112mph (50m/s)
Wind Load	Wind Surface Area 375 sq in, 30lbs @ 60mph, 67lbs @ 90mph
Certifications	CE, RoHS
Mounting Pole Required	1.614" (41mm) ID (Example 1.5 Sched 40)
Operating Temperature	-40F to +140F (-40C to +60C)
Weight	23lbs (10.5kg)
Warranty	2 Years

Due to ongoing technological improvements, product specifications are subject to change without notice. KBC is not liable for any errors, omissions or changes of any description of the goods contained herein. This information is for the sole purpose of identifying the products and KBC makes no warranty that the products conform to any description contained herein. Do not rely solely on any representations, statements, or assertions concerning these Products contained herein.