
Horizontal Wind Turbine

Features

- Wind Turbine startup wind speed of 2.1m/s (4.5mph)
- 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
- Charges batteries from flat



*TPW-400N
400W Wind Turbine*

Applications

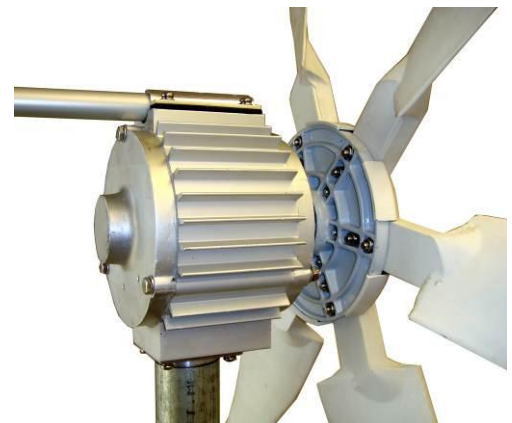
- Battery Charging Applications
- Wireless Base Stations
- Street Lamps and Signs
- Boats, RV's and static caravans
- Surveillance Cameras
- Electric Gate Openers, Electric Fences
- Remote Cabins and buildings
- Security Systems

Description

The TPW Series Wind Turbines from Tycon Power Systems are lightweight at less than 10.5kg and are designed for ease of installation and long service life. The generator is a very low cogging force design for better performance in light winds and is packaged in a fully sealed die cast anodized aluminum enclosure. There are no brushes to wear out or cause electrical noise and the bearings are sealed so the system is maintenance free. The blades are glass reinforced polypropylene for high strength, UV resistance and fatigue resistance. The turbines are available in a 12V or 24V model.

The permanent magnets used are Neodymium Iron Boron (NdFeB) for higher power output.

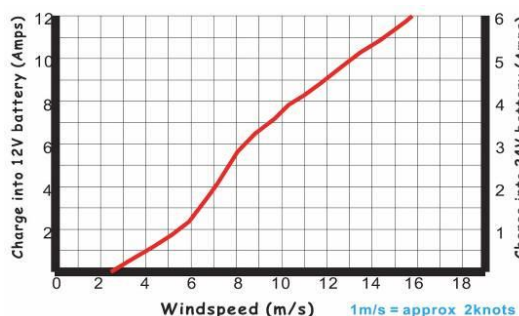
The mounting is to the inside of the top of a 41mm ID standard pole. The hardware used is stainless steel for corrosion protection.



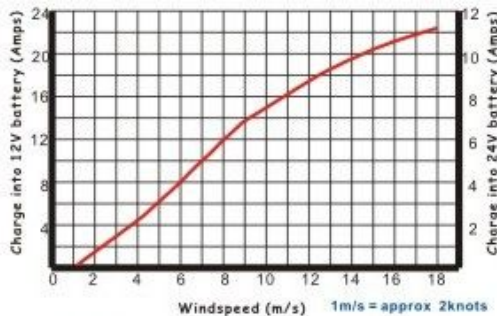
Specifications

	TPW-200-12	TPW-200-24	TPW-400N-12	TPW-400N-24
Startup Wind Speed	2.1m/s (4.5mph)	2.1m/s (4.5mph)	2.1m/s (4.5mph)	2.1m/s (4.5mph)
Power Rating (12.5m/s)	150W	150W	250W	250W
Max Power Output	200W	200W	400W	400W
Voltage Output	12V	24V	12V	24V
Rotor Diameter	0.92m (3ft)		1.12m (3.7ft)	
Blade Material	Glass reinforced nylon		Glass reinforced nylon	
Body	Anodized Die Cast Aluminum		Anodized Die Cast Aluminum	
Weatherproofing	IP65 and Salt Mist Corrosion Protected		IP65 and Salt Mist Corrosion Protected	
Over-speed Protection	Electronic		Electronic	
Survival Wind Speed	35m/s (78mph)		35m/s (78mph)	
Protection	Open Circuit, Short Circuit, High Wind		Open Circuit, Short Circuit, High Wind	
Certifications	CE , RoHS			
Mounting Pole Required	41mm (1.614") ID		41mm (1.614") ID	
Weight	8.5kg (19lb)		10.5kg (23lb)	
Monthly Energy Production	17kWh @5.4m/s (12mph)		60kWh @5.4m/s (12mph)	

TPW-200 Wind Speed vs Current



TPW-400 Wind Speed vs Current

TPW-200
200W Wind Turbine**Notes:**

- All shipments F.O.B. Bluffdale, UT 84065
- TPW Series Wind Turbines carry a 1 year warranty

System Ordering:

- TPW-200-12** 200W 12V Horizontal Wind Turbine with controller
TPW-200-24 200W 24V Horizontal Wind Turbine with controller
TPW-400N-12 400W 12V Horizontal Wind Turbine with controller
TPW-400N-24 400W 24V Horizontal Wind Turbine with controller

Includes battery charge
controller**For further information contact:**

Tyconpower.com

