
Horizontal Wind Turbine

Features

- Wind Turbine startup wind speed of 2.1m/s (4.7mph)
- 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 nylon for high strength, UV resistance and fatigue resistance. The turbines are available in a 12V/24V auto voltage select model. The unit includes a smart battery charge controller and dump load resistor. The dump load helps prevent premature braking and increases the total power delivered to the batteries. The entire blade assembly can be removed easily as 1 piece for hurricane protection. This also makes it easier and safer to install.

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.

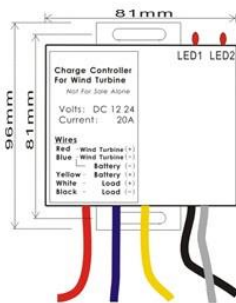


Specifications

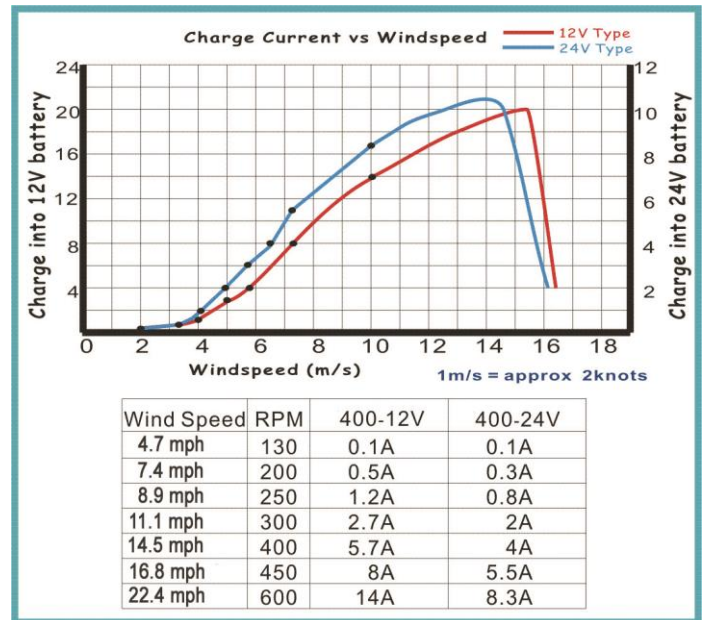
	TPW-400N-12/24
Startup Wind Speed	2.1m/s (4.5mph)
Power Rating	300W
Max Power Output	400W
Turbine Voltage Output	36V
Controller Voltage Output	12V or 24V Auto Select Battery Voltage
Rotor Diameter	1.12m (3.7ft)
Blade Material	Glass reinforced nylon
Body	Anodized Aluminum Extrusion
Weatherproofing	IP65 and Salt Mist Corrosion Protected
Over-speed Protection	Electronic
Survival Wind Speed	40m/s (90mph)
Protection	Open Circuit, Short Circuit, High Wind
Certifications	CE , RoHS
Mounting Pole Required	41mm (1.614") ID
Operating Temperature	-40C to +60C (-40F to + 140F)
Weight	10.5kg (23lb)

Notes:

- All shipments F.O.B. Draper, UT 84020
- Tycon Power Systems Wind Turbines carry a 2 year limited warranty



Includes Smart 20A battery charge controller



System Ordering:

TPW-400N-12/24 400W 12V/24V Horizontal Wind Turbine with Controller and Dump Load

For further information contact:

Tyconpower.com

