

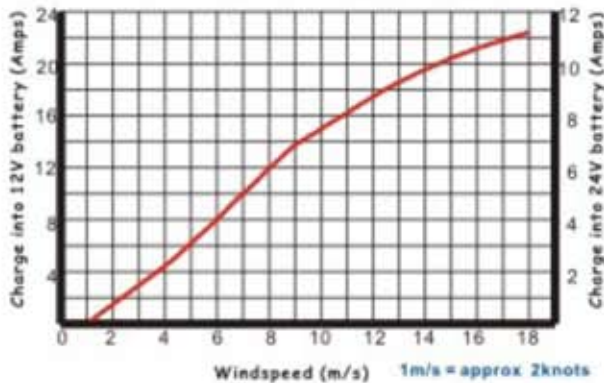
MW-400 is a small wind turbine designed and manufactured by MacroWind to provide a quiet, affordable and reliable power source for battery charging. We designed it for home use. Its sweep area is small as the 1.12M diameter. And with the 6 blades design, it can move slower, smoother and quieter, and also very easy to start-up at low wind speed. It can be installed easily.



Application:

1. Boats, RV's and static caravans, etc.
2. Remote cabins, sheds and buildings.
3. Street lamps and signs.
4. Small renewable 'pilot' projects for houses, etc.
5. Electric gate openers, electric fences and security systems.

MW-400 Charge Current vs Windspeed



* Running

1. Charges at Low Windspeed.
2. Charges Batteries from Flat.
3. Charging levels do not diminish Appreciably as battery voltage Increases.
4. Smooth and quiet running.
5. Easy to maintain, Simple to service.
6. Sleek, Tough and Elegant.
7. Totally Sealed for Long Life.

* Main Body & Hub

1. Made from die cast aluminum.
2. Reinforced at important locations.
3. Surface oxidization processing.
4. Salt mist corrosion resistant, IP 65 qualified.

* Electrometic protection

1. Open circuit protected.
2. Short circuit protected. (Easy!)
3. Reverse battery connection protected.
4. High wind protected.
5. Battery overcharge protection when used with a controller.

* Alternator

1. Direct drive permanent magnet alternator with internal AC-DC rectifiers.
2. No commutator brushes to wear out or give electrical noise.
3. Built to survive in Extreme Weather Conditions.
4. Low cogging design, easy to start-up.
5. Strong magnets for higher power output.
6. Low RPM, design for wind power applications. Can be start easily.

* Blades

1. Multi-blade turbine for easy start up.
2. Glass-fibre reinforced polypropylene gives high strength & excellent fatigue resistance.
3. Accurately Balanced.
4. Aerodynamic curve.
5. UV resistant.

Technical Specifications:

Start-up Wind Speed:	2.1 M/s
Power Rating:	250W at 12.5 M/s Wind Speed
Voltage Output:	12 V or 24 VDC
Max Power Output:	400W
Turbine Diameter:	1.12 M
Blade(6) Material:	Glass-Fibre Reinforced
Body Material:	Die Cast Aluminium
Survival Wind Speed:	35 M/s (126KM/ Hour)
Mount tower Kit:	48-51 mm OD Pipe
Net Weight:	10.5 Kg
Shipping Dimensions:	1 Carton 550 X 350 X 250 mm
Warranty:	2 Years Limited Warranty