

Generates power in common 5-15 mph wind speeds

Up to 2kW generator with a 72" biomimetic patented rotor design

up to 5 solar leaves for a total of 600 W

Wiring assembly connects to any battery type

Entire system fits in pelican case for simplified logistics

Cantilevered assembly for easy installation

Primo Wind's EnergiTree is the perfect solution for the 1.2 billion people with no access to electricity. It's also the perfect system for Military Expeditionary use or even to provide power for disaster relief where power has been interrupted or destroyed. It uses Primo Wind's innovative and patented torque based blade and rotor design that provides real, usable power in the common wind speeds of 5-15 mph and has been successfully installed in the Arctic and the Caribbean. Primo Wind's EnergiTree has the added benefit of 600 watts on the solar leaves.

When combined with batteries, this mini-grid provides less expensive and more reliable energy. Primo's proprietary telescoping pole with plug and play sections allows the entire unit to fit into a pelican case to simplify logistics. Primo's cantilevered assembly is easy to install, easy to service, and easy to lower in the event of severe weather.

***EnergiTree includes:
wind turbine, solar panels, controller, and pelican case***

power to the people

The EnergiTree is perfectly suited for remote locations, farms, disaster relief, and military expeditionary use.



Primo Wind is on a mission to change the way the world uses wind energy. We design and manufacture wind systems that are aesthetically pleasing, light weight, virtually silent, are bird safe, and deliver the most energy for the smallest footprint. Additionally as an "and" technology, we are a complimentary solution with other renewable energy sources and perfectly suited for the convergence of technology with storage and micro-grids.

Primo Wind's patented rotor design and proprietary generator design focuses on torque to provide power at common wind speeds of 5-15 mph and can charge batteries in as little as 4-5 mph.

Using unique materials, our systems are very robust and can handle conditions of extreme temperature, salt air, and blown sand and dust.

Primo Wind is perfectly suited for off-grid.

TECHNICAL SPECIFICATIONS

Model:	EnergiTree
Rotor Diameter:	72" inch
Net Weight:	300 lbs.
Footprint:	72" x 72" x 24ft tall
Survival Wind Speed:	110 mph (49 m/s)
Initial Power Wind Speed:	4 mph (1.8 m/s)
Total Rated Power:	up to 2.5 kW
Generator:	up to 2kW Yaw Mount 3 phase slip ring + strain relief
Rotor:	Patented Biomimetic torque 9-blade hub design
Solar:	up to 5 Leaves / 600 Watts

GENERATOR SPECIFICATIONS

- Ideal for charging battery banks
- Proprietary generator for low wind speed power
- Stainless steel shaft coated with a polyurethane clear coat for protection
- Magnetic rotor is completely coated and sealed
- Completely sealed bearings for long life
- 6061 aluminum body
- Aluminum housing completely seals/protects copper stator and magnetic rotor and is sealed against dust and moisture
- Housing is completely sealed to IP 66 and IP 67 standards
- Excellent corrosion resistance and heat dissipation

POWER CURVE

