

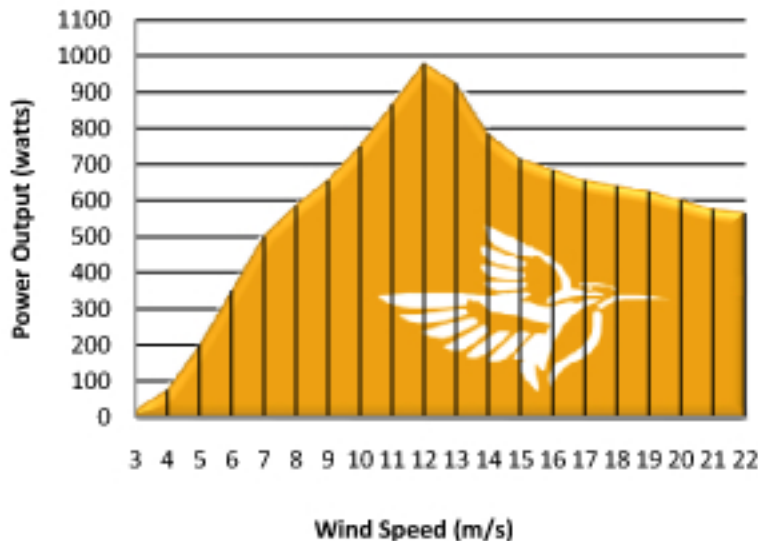
500W



Turbine Technical Parameters

Rated Power (W):	500 Watts
Maximum Output (W):	1,000 Watts
Charging Voltage (V):	DC 24V
Output Voltage (V):	110V to 240V
Number of Blades:	3
Blade Material:	GRP (Glass Fiber Reinforced Plastic)
Blade Diameter:	2.7m (8.9 ft.)
Start-up Wind Speed:	3m/s (6.7 mph)
Rated Wind Speed:	7m/s (15.7 mph)
RPM:	600
Speed Regulation (Protection):	Yawing (Mechanical) + Manual
Wind Energy Utilizing Ratio (Cp):	48%
Generator Output:	Single-phase Frequency Conversion AC
Output AC Frequency (Hz):	0-300
Rate Charging Current (A):	15
Maximum Charging Current (in a short time) (A):	25
Noise (5m behind turbine @ 5m/s gusting):	29 dB
Generator Efficiency:	>78%
Generator Weight:	6.5kg (15 lbs.)
Turbine Weight:	45kg (99 lbs.)
Off Grid Battery (12V):	2 pcs.
Warranty:	5 Year Limited

Power Curve Data Chart



Annual Electrical Output

Average Wind Speed (m/s)	3	4	5	6	7	8	9	10
Average Wind Speed (mph)	7	9	11	13	16	18	20	22
Annual Power Output (kWh)	131	729	1804	3444	4510	5274	6231	6924

Available Towers

Available Towers	Size
Guyed-Wire	18m (59.4')
Wireless	18m (59.4')

Standard Equipment

Grid-Tie	Not Available.
Off Grid	Wind-Solar controller, charger & unloader.