

2kW

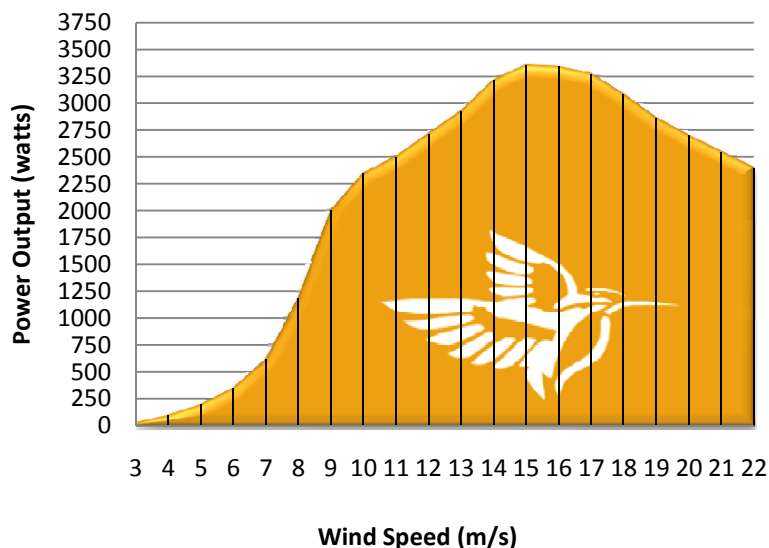


Turbine Technical Parameters



Rated Power (W):	2,000 Watts
Maximum Output (W):	3,200 Watts
Charging Voltage (V):	DC 120V
Output Voltage (V):	110V to 240V
Number of Blades:	3
Blade Material:	GRP (Glass Fiber Reinforced Plastic)
Blade Diameter:	3.8m (12.5 ft.)
Start-up Wind Speed:	3m/s (6.7 mph)
Rated Wind Speed:	9m/s (20 mph)
RPM:	450
Speed Regulation (Protection):	Yawing (Mechanical) + Manual
Wind Energy Utilizing Ratio (Cp):	45%
Generator Output:	Single-phase Frequency Conversion AC
Output AC Frequency (Hz):	0-370
Rate Charging Current (A):	15
Maximum Charging Current (in a short time) (A):	28
Noise (5m behind turbine @ 5m/s gusting):	32 dB
Generator Efficiency:	80%
Generator Weight:	25kg (55 lbs.)
Turbine Weight:	75kg (165 lbs.)
Off Grid Battery (12V):	10 pcs.
Standard Warranty:	3 Year
Extended Warranty:	5 Year

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)	1230	1640	3644	6559	10021	15032	19131	23332

Available Towers

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

Standard Equipment

Grid-Tie	Inverter, Controller & PC software.
Off Grid	Wind-Solar controller, charger & unloader.

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