

# 5kW

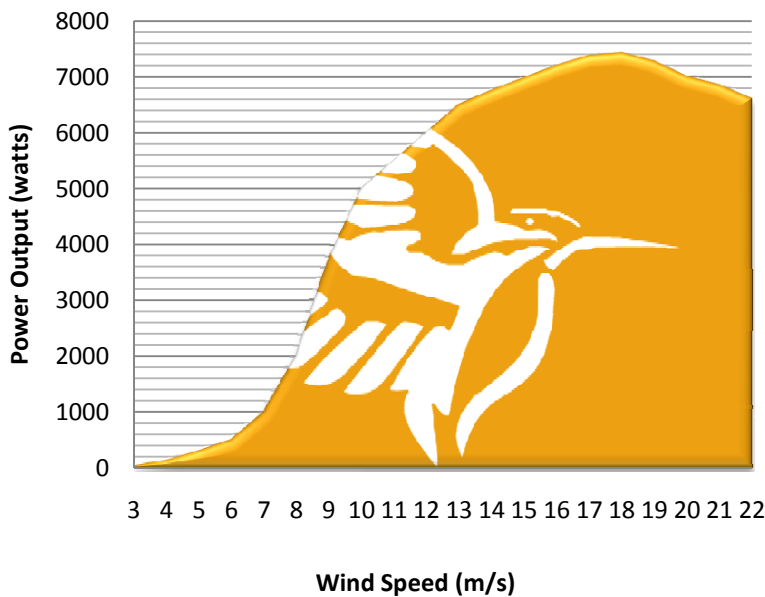


## Turbine Technical Parameters



Rated Power (W):	5,000 Watts
Maximum Output (W):	7,500 Watts
Charging Voltage (V):	DC 240V
Output Voltage (V):	110V to 380 V
Number of Blades:	3
Blade Material:	GRP (Glass Fiber Reinforced Plastic)
Blade Diameter:	6.4m (21 ft.)
Start-up Wind Speed:	2.5m/s (5.6 mph)
Rated Wind Speed:	10m/s (22 mph)
RPM:	240
Speed Regulation (Protection):	Yawing (Mechanical) + Manual
Wind Energy Utilizing Ratio (Cp):	40%
Generator Output:	Single-phase Frequency Conversion AC
Output AC Frequency (Hz):	0-360
Rate Charging Current (A):	20
Maximum Charging Current (in a short time) (A):	32
Noise (5m behind turbine @ 5m/s gusting):	34 dB
Generator Efficiency:	80%
Generator Weight:	147kg (323.4 lbs.)
Turbine Weight:	405kg (891 lbs.)
Off Grid Battery (12V):	20 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)	1549	4191	8472	13328	18220	27330	39355	46935

## Available Towers

Available Towers	Size
Monopole	98.4' & 132'
Freestanding Lattice	80'-100'-120'-140'

## Standard Equipment

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

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