

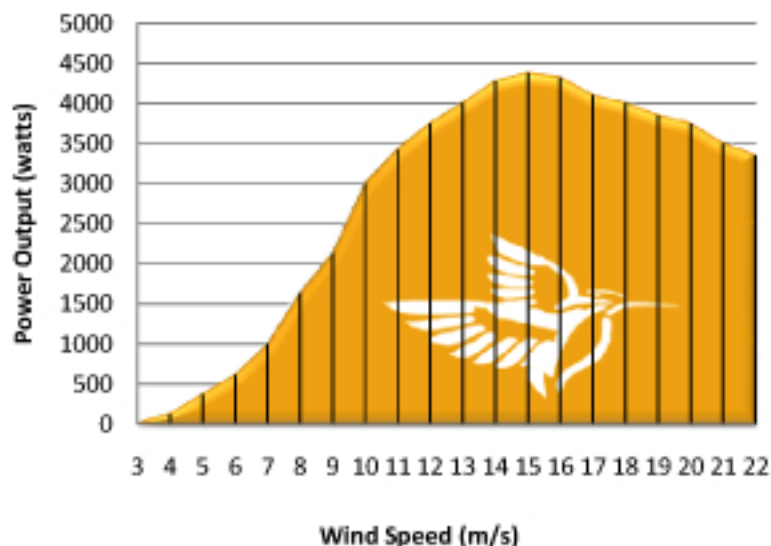
# 3kW



### Turbine Technical Parameters

Rated Power (W):	3,000 Watts
Maximum Output (W):	4,500 Watts
Charging Voltage (V):	DC 180V
Output Voltage (V):	110V to 240V
Number of Blades:	3
Blade Material:	GRP (Glass Fiber Reinforced Plastic)
Blade Diameter:	4.8m (15.7 ft.)
Start-up Wind Speed:	2.5m/s (5.6 mph)
Rated Wind Speed:	10m/s (22 mph)
RPM:	400
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):	16
Maximum Charging Current (in a short time) (A):	28
Noise (5m behind turbine @ 5m/s gusting):	32 dB
Generator Efficiency:	80%
Generator Weight:	60kg (132 lbs.)
Turbine Weight:	192kg (422.4 lbs.)
Off Grid Battery (12V):	15 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)	875	2324	5102	7288	10841	16398	23504	27786

### Available Towers

Available Towers	Size
Guyed-Wire or Wireless	18m (59.4')
Freestanding Lattice	80'-100'-120'-140'

### Standard Equipment

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