

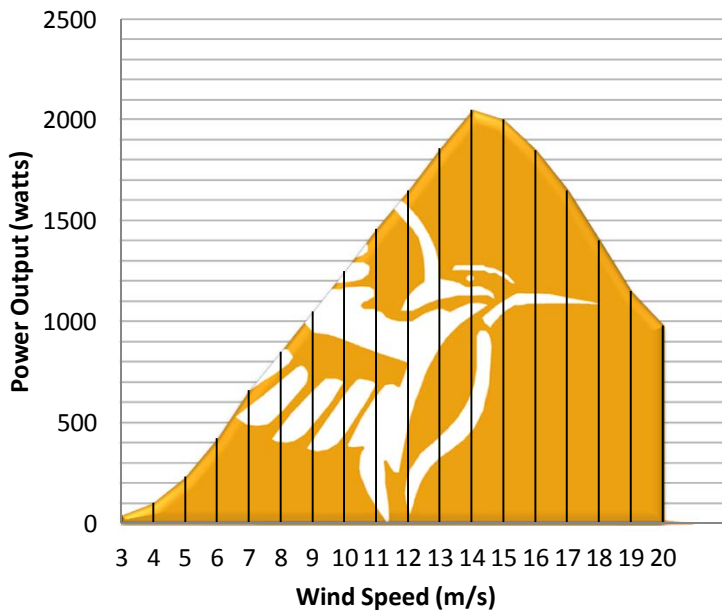
HUMMER WIND POWER OFF GRID CONNECT SMALL WIND TURBINE

TECHNICAL SPECIFICATIONS



Rated Power (W):	1,000 Watts
Maximum Output (W):	2,050 Watts
Charging Voltage (VDC):	60
Number of Blades:	3
Blade Material:	GRP (Glass Fiber Reinforced Plastic)
Blade Diameter:	10.1 ft. (3.1m)
Start-up Wind Speed:	6.7 mph (3 m/s)
Rated Wind Speed:	20.1 mph (9 m/s)
RPM:	500
Speed Regulation (Protection):	Yawing (Mechanical) + Manual
Wind Energy Utilizing Ratio (Cp):	0.45
Generator Output:	Single-phase Frequency Conversion AC
Output AC Frequency (Hz):	0-400
Rate Charging Current (A):	16.7
Maximum Charging Current (in a short time) (A):	30
Noise (5m behind turbine @ 5m/s gusting):	30 dB
Generator Efficiency:	>80%
Total Tower Top Weight:	143 lbs. (65kg)
Turbine Warranty:	5 Year Limited
Controller Warranty:	5 Year Limited

POWER CURVE



WIND SPEED & POWER OUTPUT

Wind Speed (m/s)	3	4	5	6	7	8	9	10
Wind Speed (mph)	6.7	8.9	11.1	13.4	15.6	17.8	20.1	22.3
Power Output (watts)	40	100	230	420	660	850	1,050	1,250
Wind Speed (m/s)	11	12	13	14	15	16	17	18
Wind Speed (mph)	24.6	26.8	29.0	31.3	33.5	35.7	38.0	40.2
Power Output (watts)	1,460	1,650	1,860	2,050	2,000	1,850	1,650	1,400
Wind Speed (m/s)	19	20						
Wind Speed (mph)	42.5	44.7						
Power Output (watts)	1,150	980						

OFF GRID HYBRID COMPONENTS

1-Wind & Solar Hybrid Controller. Slip Ring (no cable untwisting). **SOLAR PANEL(S) NOT INCLUDED.**

Required 5-Batteries: DC60V150AH. **BATTERIES NOT INCLUDED.** 18m Guy Tower and Free Standing Tower.