

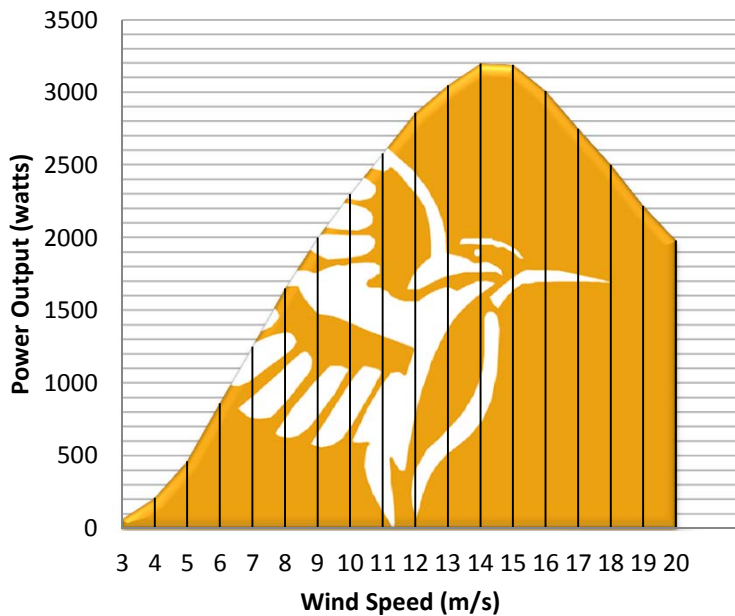
## HUMMER WIND POWER OFF GRID CONNECT SMALL WIND TURBINE

### TECHNICAL SPECIFICATIONS



Rated Power (W):	2,000 Watts
Maximum Output (W):	3,200 Watts
Charging Voltage (VDC):	120
Number of Blades:	3
Blade Material:	GRP (Glass Fiber Reinforced Plastic)
Blade Diameter:	12.4 ft. (3.8m)
Start-up Wind Speed:	6.7 mph (3 m/s)
Rated Wind Speed:	20.1 mph (9 m/s)
RPM:	450
Speed Regulation (Protection):	Yawing (Mechanical) + Manual
Wind Energy Utilizing Ratio (Cp):	0.45
Generator Output:	Single-phase Frequency Conversion AC
Output AC Frequency (Hz):	0-370
Rate Charging Current (A):	16.7
Maximum Charging Current (in a short time) (A):	28
Noise (5m behind turbine @ 5m/s gusting):	32 dB
Generator Efficiency:	>80%
Total Tower Top Weight:	165 lbs. (74.8kg)
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)	65	210	460	860	1,250	1,650	2,000	2,300
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)	2,580	2,860	3,050	3,200	3,190	3,010	2,750	2,500
Wind Speed (m/s)	19	20						
Wind Speed (mph)	42.5	44.7						
Power Output (watts)	2,220	1,980						

### OFF GRID HYBRID COMPONENTS

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

Required 10-Batteries: DC120V150/200AH. **BATTERIES NOT INCLUDED.** 18m Guy Tower and Free Standing Tower.