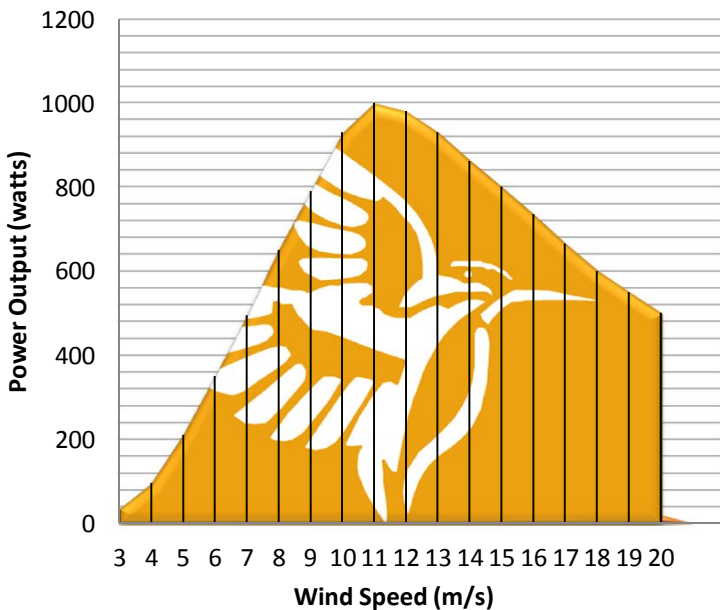


HUMMER WIND POWER OFF GRID SMALL WIND TURBINE
TECHNICAL SPECIFICATIONS


| | |
|---|--------------------------------------|
| Rated Power (W): | 500 Watts |
| Maximum Output (W): | 1,000 Watts |
| Charging Voltage (VDC): | 24 |
| Number of Blades: | 3 |
| Blade Material: | GRP (Glass Fiber Reinforced Plastic) |
| Blade Diameter: | 8.2 ft. (2.5m) |
| Start-up Wind Speed: | 6.7 mph (3 m/s) |
| Rated Wind Speed: | 15.6 mph (7 m/s) |
| RPM: | 600 |
| Speed Regulation (Protection): | Yawing (Mechanical) + Manual |
| Wind Energy Utilizing Ratio (Cp): | 0.48 |
| Generator Output: | Single-phase Frequency Conversion AC |
| Output AC Frequency (Hz): | 0-300 |
| Rate Charging Current (A): | 16.7 |
| Maximum Charging Current (in a short time) (A): | 25 |
| Noise (5m behind turbine @ 5m/s gusting): | 30 dB |
| Generator Efficiency: | >78% |
| Total Tower Top Weight: | 99 lbs. (45kg) |
| 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) | 35 | 95 | 210 | 350 | 495 | 650 | 790 | 930 |
| 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) | 1,000 | 980 | 930 | 862 | 800 | 735 | 665 | 600 |
| Wind Speed (m/s) | 19 | 20 | | | | | | |
| Wind Speed (mph) | 42.5 | 44.7 | | | | | | |
| Power Output (watts) | 550 | 500 | | | | | | |

OFF GRID HYBRID COMPONENTS

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

Required 2-Batteries: DC24V150AH. **BATTERY NOT INCLUDED.** 18m Guy Tower and Free Standing Tower.