

MODEL PROVEN 6 (6kW)



Cut In mph (m/s)	5.6 (2.5)
Cut Out mph (m/s)	None
Survival mph (m/s)	156.6 (70)
Rated mph (m/s)	28.9 (12)
Rotor Type	Downwind, Self Regulating
No. of Blades	3
Blade Material	Glassthermoplastic Composite
Rotor Diameter ft (m)	18 (5.5)
Generator Type	Brushless, Direct Drive, Permanent Magnet
Battery charging	48V DC
Grid connect with Windy Boy Inverter	230Vac 50Hz or 240 Vac 60Hz
Direct Heating	240Vac
Rated RPM	200
Annual Output	6,000-12,000 kWh
Head Weight lbs (Kg)	1322.8 (600)
Mast Type	Tilt-up, tapered, self-supporting, no guy wires (Taller guyed towers also available on request)
Hub Height ft (m)	29.5 or 49.2 (9 or 15)
Turbine Foundation ft (m)	8.2x8.2x3.3 or 9.8x9.8x3.9 (2.5x2.5x1 or 3x3x1.2)
Winch Foundation ft (m)	3.3x3.3x3.3 or 4.9x4.9x3.3 (1x1x1 or 1.5x1.5x1)
Tower Weight ft (m)	793.6 or 1446.2 (360 or 656)
Mechanical Brake	Yes
Noise @ 11.1mph 5(m/s)	40dBA
Noise @ 44.7mph 20(m/s)	65 dBA
Rotor Thrust (kN)	10



In winds of above 12m/s or 25mph, the Proven's blades twist to limit power in response to high rpm. This unique way of dealing with high winds not only protects the unit, but allows it to produce power in the most extreme winds

