

# MODEL PROVEN 15 (15kW)

PROVEN ENERGY

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)	26.9 (12)
Rotor Type	Downwind, Self Regulating
No. of Blades	3
Blade Material	Glassthermoplastic Composite
Rotor Diameter ft (m)	29.5 (9)
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	150
Annual Output	15,000-30,000 kWh
Head Weight lbs (Kg)	2425 (1100)
Mast Type	Tilt-up, tapered, self-supporting, no guy wires (Taller guyed towers also available on request)

Hub Height ft (m) 49.2 or 82 (15 or 25)

Turbine Foundation ft (m) 12.1x12.1x3.9 or 16.4x16.4x6.6 (3.7x3.7x1.2 or 5x5x2)

Winch Foundation ft (m) 4.9x4.9x3.9 (1.5x1.5x1.2)

Tower Weight ft (m) 3258.4 or 6159.7 (360 or 656)

Mechanical Brake Yes

Noise @ 11.1mph 5(m/s) 48dBA

Noise @ 44.7mph 20(m/s) 65 dBA

Rotor Thrust (kN) 26



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

