

MODEL PROVEN 2.5 (2.5KW)

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 Polypropylene
 Rotor Diameter ft (m) 11.5 (3.5)
 Generator Type Brushless, Direct Drive, Permanent Magnet

Battery charging 24 or 48V DC

Grid connect with Windy Boy Inverter 230Vac 50Hz or 240 Vac 60Hz
 Direct Heating 240Vac
 Rated RPM 300
 Annual Output 2,500-5,000 kWh
 Head Weight lbs (Kg) 418.9 (190)
 Mast Type Tilt-up, tapered, self-supporting, no guy wires (Taller guyed towers also available on request)

Hub Height ft (m) 21.3 or 36.1 (6.5 or 11)

Turbine Foundation ft (m) 5.2x5.2x3.3 or 8.2x8.2x3.3 (1.6x1.6x1 or 2.5x2.5x1)

Winch Founddation ft (m) 2.1x2.1x2.1 or 3.3x3.3x3.3 (.65x.65x.65 or 1x1x1)

Tower Weight ft (m) 531.3 or 981 (241 or 445)

Mechanical Brake Yes

Noise @ 11.1mph 5(m/s) 40dBA

Noise @ 44.7mph 20(m/s) 60 dBA

Rotor Thrust (kN) 5



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

