

# MODEL PROVEN 6 (6KW)

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) 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 40dBA  
 5(m/s)

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

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

