

PROVEN 35-2 WIND TURBINE

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Technical Specifications v1.0

ROTOR

TYPE: Downwind, 360 degrees free yawing
 SPEED CONTROL: Self-regulating
 BLADES: 3 blades, passive coning and pitch control
 ROTOR DIAMETER: 8.5m
 RATED SPEED: 150 rpm @ 11m/s
 ROTOR THRUST: 26kN

GENERATOR

TYPE: Brushless permanent magnet, direct drive
 OUTPUT: Grid connect, Battery charging 48V

TOWERS

TYPE: Self-supporting monopole
 HUB HEIGHT: 15m (hinged tower) or 25m

PAD FOUNDATIONS

4.80m x 4.80m x 1.00m (15m tower, root option also available)
 4.90m x 4.90m x 1.20m (25m tower)

WEIGHT

TURBINE HEAD: 1300kg
 TOWER: 2032kg (15m)
 TOWER: 2835kg (25m)

SOUND EMISSION

Ongoing testing - data not yet available

PERFORMANCE

CUT-IN WIND SPEED: 2.5m/s
 MAX WIND SPEED (survival): 54m/s
 AEP 23,000kWh
 28,000kWh (mean wind speed 5.5m/s@10m on 25m tower)

BUILD MATERIALS AND COLOURS

FRAME: Galvanised steel, grey (not visible)
 BLADES: Glass thermoplastic composite, black or white
 COVERS: Plastic. black or white
 TOWERS: Galvanised steel, grey



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PROVIDING ROBUST RELIABLE
 WIND POWER WORLDWIDE