

## **WindCutter Specifications**

**General**

**Axis**

**Vertical**

**Application**

**On-grid**

Rotor height

3.96 m (13 ft)

Rotor width

2.31 m (7.58 ft)

Swept area

9.15 m

2

Turbine weight (including PMG)

382 kg (843 lbs)

**Brakes**

Electrical

Automated fail-safe with diversion load

Mechanical

Redundant disc brake system with dual independent calipers

Warranty

5 Years

Expected Design life

20 years

Mount

Monopole (30 ft) or various industrial mounts

**Performance**

Rated output

(11m/s) 1,500 Watts

Peak output

(13m/s) 2,500 Watts

Annual energy at 7m/s

3,460 kWh

Rated RPM

175 RPM

Cut-in wind speed

4 m/s (9 mph)

Rated wind speed

11 m/s (24.6 mph)

Survival wind speed

45 m/s (100 mph)

**Construction**

Blade material

High strength anodized aluminum

Blade colors

Clear, black, light bronze, medium bronze, dark bronze

Turbine structure

High strength galvanized steel

Electrical

Generator type

High efficiency axial flux PMG: three-phase AC

Grid-Tie rated voltage

400Vac

OffGrid rated voltage

250Vac

**Special Features:**

- Low wind startup, can work in high wind
- Unique for maximum aerodynamic efficiency
- Easy to use, plug and play design, with virtually no vibration
- Materials selected to withstand extreme environments
- Stand-alone use
- Nearly silent operation design for less than 34 decibels with background noise, at 10 feet
- Omni-directional airflow capture, withstands high wind gust attacks
- Safe for birds and animals

\* Please note: The specs above illustrate data compiled from testing working prototype units. The fir