



P5000-AB

Vertical Axis Wind Turbine (VAWT)

Suitable for any Application; Urban to Rural, Residential to Commercial, Industrial to Institutional

Performance

Rated Power	5kW
Max Power	6kW
Rated Wind Speed	12m/s
Cut-In Speed	2m/s
Cut-Out Speed	25m/s
Survival Wind Speed	55m/s

Physical Parameters

Mill Diameter	4m
Mill Height	4.6m
Mill Weight	975kg
Tower Height & Weight	5.5m (650kg)

Generator Parameters

Type	PMG 3 phase
Rated Voltage	AC 250V
Rated Current	AC 11.5A
Protection Level	IP54

Controller Output

Output Voltage(On-grid)	DC 50-375V
Output Voltage(Off-grid)	DC 48V/110V

Over Speed Protection & Braking System

Speed Control Style	Pitch Control System
Brake Style	Automatic Hydraulic Brake

Advantages of VAWT

- Nearly Quiet
- Birds Friendly
- More Safety Features
- Wonderful Performance at Low Wind Speed
- Captures Wind from All Directions
- Longer Working Life
- Less Maintenance
- Less Requirements on Foundation

Advantages over Other VAWT

- High Efficiency
- Pitch Control to Govern Speed
- Automatic Hydraulic Brake

