



PK10-AB

Vertical Axis Wind Turbine (VAWT)

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

Performance

Rated Power	10kW
Max Power	12kW
Rated Wind Speed	12m/s
Cut-In Speed	2m/s
Cut-out Speed	25m/s
Survival Wind Speed	55m/s

Physical Parameters

Mill Diameter	6m
Mill Height	6.2m
Mill Weight	2375kg
Tower Height & Weight	5.5m (1000kg)

Generator Parameters

Type	PMG 3 phase
Rated Voltage	AC 250V
Rated Current	AC 23A
Protection Level	IP54

Controller Output

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

Over Speed Protection & Braking System

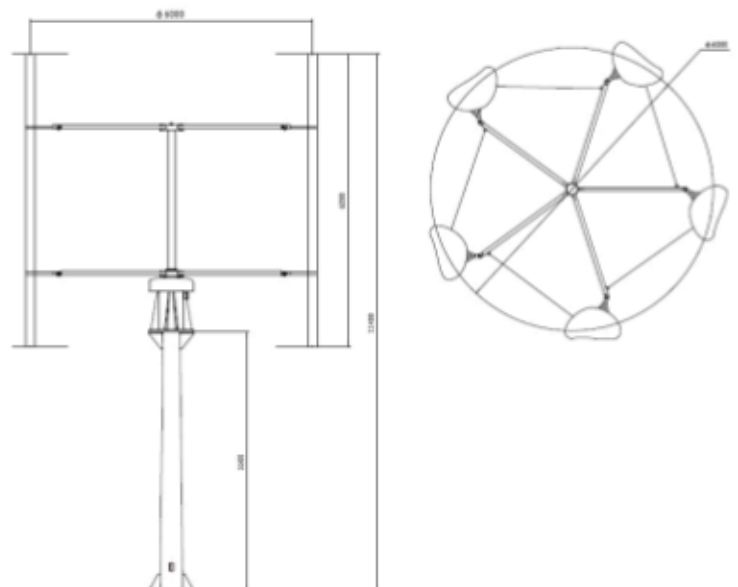
Speed Control Style	Pitch Control System
Brake Style	Automatic Hydraulic Brake

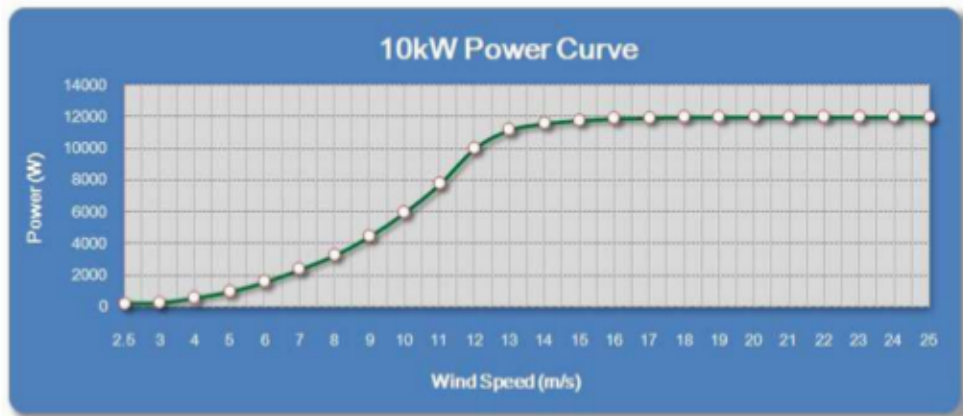
Advantages of VAWT

- 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





Annual Energy Production

Average Wind Speed(m/s)	2	3	4	5	6	7	8	9	10	11	12
Production (kWh)	1107	3516	7801	14036	21680	29834	37735	44864	50886	55613	59000

Packing Size

Mark	Name	Volume	Gross(KG)	Net(KG)	Package
PK10-S/L	Long Arms	220cm*50cm*30cm	190	175	Plywood Box
PK10-S/S	Short Arms	110cm*110cm*45cm	110	100	Plywood Box
PK10-FRM	Generator Assembly	480cm*100cm*100cm	1800	1700	Steel Frame
PK10-B	Blades	630cm*110cm*21cm*5	90*5	80*5	Paper Box
PK10-C-G/I	On-grid Controller	60cm*50cm*25cm	25	20	Plywood Box

14.1 Cubic meters, Gross weight 2575Kgs, Net weight 2395Kgs

A 40ft open top container can hold 4 units. (excluding the tower)



PK10-FRM

Application

