

10KW VERTICAL WIND TURBINE

PRODUCT CODE: AED-WS-PK-1001-1
BRAND: AED TECHNOLOGIES

WIND SOLUTIONS



Product Description

The 10kW vertical axis wind turbine is a low start wind speed, quiet, safe and reliable vertical wind turbine. We use outer rotor three-phase generator with a 2.5m/s start wind speed. It can be used for a 300V off grid application or 380V grid tie application. The 10kW vertical axis wind turbines were widely applied for building, small farm, schools, supermarkets, home and other low noise area. The blades were made by aluminium alloy with a special aerodynamic design. This design will limit the max rotating speed to 260rpm even the wind speed is 30m/s or 40m/s. It is more safety and reliable than traditional vertical axis wind turbine.

Product Features:

- The 10kW vertical wind turbine has 20 years design life.
- The blades are made with aluminium alloy i.e. it does not corrode easily
- It has a 3 phase permanent magnetic generator i.e. it is rigid and has high speed of operation
- It has a low start wind speed of 2.5m/s
- It is quiet, safe and reliable

Technical

Rated Power: 10KW
Maximum Output Power: 12KW
Output Voltage: 300/380
Blade Quantity: 3 Glass Fibre Blades
Rotor Blade Diameter: 5.5m (18ft)
Start-up Wind Speed: 2.5m/s (5.6mph)
Rated Wind Speed: 11m/s (24.6mph)
Survival Wind Speed: 52.5m/s (117.4mph)
Generator Efficiency: >0.96
Noise: <45db (A) @ 5m/s
Temperature Range: -20°C to +50°C

Includes

1 x 10 kW vertical wind turbine
1 x Off-Grid MPPT Controller
1 x Off Grid Inverter
1 x 12m monopole tower
Setup, Installation and Programming

Ideal for

Schools
Estates
Villages
Supermarkets