

3KW HORIZONTAL WIND TURBINE

PRODUCT CODE: AED-WS-PK-1002-1
BRAND: AED TECHNOLOGIES

WIND SOLUTIONS



Product Description

The 3kW horizontal wind turbine uses the permanent magnet generator without tail design. The wind turbine could face the wind automatically through the yaw motor and anemometer. This design was usually applied in the 10kW or 20kW wind turbines. It can maximize the annual power output of 3kW wind turbine. This 3kW wind turbine can be used for off grid application with 120V output and grid tie application with 220V output.

Product Features:

- The 3kW horizontal 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: 3KW
Maximum Output Power: 4KW
Output Voltage: 120/220
Blade Quantity: 3 Glass Fibre Blades
Rotor Blade Diameter: 4.8m (15.7ft)
Start-up Wind Speed: 2.5m/s (5.6mph)
Rated Wind Speed: 12m/s (26.8mph)
Survival Wind Speed: 45m/s (100.7mph)
Generator Efficiency: >0.96
Noise: 40db (A) @ 5m/s
Temperature Range: -20°C to +50°C

Includes

1 x 3 kW horizontal wind turbine
1 x Off-Grid MPPT Controller
1 x Off Grid Inverter
1 x 12m monopole tower
Setup, Installation and Programming

Ideal for

Small Buildings
Schools
Homes
Supermarkets