

# 10KW HORIZONTAL WIND TURBINE

PRODUCT CODE: AED-WS-PK-1003-1  
BRAND: AED TECHNOLOGIES

## WIND SOLUTIONS



### Product Description

The 10kW horizontal wind turbine is the updated design with low RPM generator and Programmable Logic Controller (PLC) control system. It is more reliable and produces more annual power output than traditional wind turbine with tail. The 10kW horizontal wind turbine has yaw control, electronic brake and hydraulic brake triple safety protections. Remote monitor and control is the optional configuration for the 10kW wind turbine. The 10kW generator output is DC 300V for off grid application and DC 440V for grid tie application. The 10kW horizontal wind turbines can be installed in parks, supermarkets, villages, estates and telecom station.

### Product Features:

- The 10kW horizontal wind turbine has 20 years design life.
- Has yaw control, electronic brake and hydraulic brake triple safety protections.
- It has a direct-drive permanent magnetic generator i.e. it has high speed of operation.
- It has a PLC Controller with touch screen.
- The blades are made with aluminium alloy i.e. it does not corrode easily

### Technical

Rated Power: 10KW  
Maximum Output Power: 13KW  
Output Voltage: 300/440  
Blade Quantity: 3 Glass Fibre Blades  
Rotor Blade Diameter: 8m (26.2ft)  
Start-up Wind Speed: 2.5m/s (5.6mph)  
Rated Wind Speed: 10m/s (22.3mph)  
Survival Wind Speed: 59.5m/s (133.1mph)  
Turbine Weight: 420kg (925.9 lbs.)  
Noise: 45db (A) @ 5m/s  
Temperature Range: -20°C to +50°C

### Includes

1 x 10 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

Schools  
Estates  
Villages  
Supermarkets