

60KW HORIZONTAL WIND TURBINE

PRODUCT CODE: AED-WS-PK-1004-1
BRAND: AED TECHNOLOGIES

WIND SOLUTIONS



Product Description

The 60kW 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 60kW horizontal wind turbine has pitch control, electronic brake and hydraulic brake triple safety protections. Remote monitor and control is the optional configuration for the 10kw wind turbine. The 60kW generator output is DC 300V for off grid application and DC 440V for grid tie application. The 60kW horizontal wind turbines can be installed in parks, supermarkets, villages, estates and telecom station.

Product Features:

- The 60kW horizontal wind turbine has 20 years design life.
- Has pitch 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 control system with touch screen.
- The blades are made with aluminium alloy i.e. it does not corrode easily

Technical

Rated Power: 60KW
Maximum Output Power: 65KW
Output Voltage: 300/440
Blade Quantity: 3 Glass Fibre Blades
Rotor Blade Diameter: 22.3m (73.2ft)
Start-up Wind Speed: 3.0m/s (6.7mph)
Rated Wind Speed: 9.0m/s (20.1mph)
Survival Wind Speed: 59.5m/s (133.1mph)
Turbine Weight: 6800kg (14991.4 lbs.)
Noise: 58.5db (A) @ 7m/s
Temperature Range: -20°C to +50°C

Includes

1 x 60 kW horizontal wind turbine
1 x Off-Grid MPPT Controller
1 x Off Grid Inverter
1 x 18m monopole tower
Setup, Installation and Programming

Ideal for

Schools
Estates
Villages
Supermarkets