

Low vibration and low noise 2KW vertical axis wind generator. With its compact shape, it has the lowest starting wind speed and a larger wind catchment area, enabling it to generate electricity at lower wind speeds.

- Wind Turbine Body Material: Aluminium
- Decibel: 30 dB
- Colour: White and Black
- Blades Material: Composite
- Magnets: N52

Do not install the wind turbine in windy weather! Assembling the wind turbine: Install and tighten all screws of the wind turbine blades (set a torque of about 25 Nm). The generator body must be screwed well to a stable mounting pole or on a concrete ground. Electrical connections: Connect a three-wire cable with a suitable cross-section to the generator. Connect three phases coming from the wind turbine to wind charge controller. Connect the wind charge controller to battery or grid inverter.

Aluminium body: Perfect for heating and the cooling effect of stator Quieter wings: Improved wing air foils Movement at lower wind speeds: 2 m/s Double bearings: Less vibration Inox bearing: Stainless Catches the wind great 3 cable slip rings: This high-tech slip ring is being used in the aircraft industry

TESUP ATLAS2.0 WIND TURBINE

TESUP WIND CHARGE CONTROLLER

EXISTING SOLAR



EXISTING INVERTER



HOME LOADS



BATTERY

BATTERY INVERTER



METERING DEVICE OR GATEWAY



RETAILER METER



TESLA POWERBALL AC COUPLED



LG CHEM AC COUPLED



SMA SUNNY STRAGE



Unpacking the components: Carefully open the packaging. Check the box for completeness (generator body, blades and screw holders, blade holding hub, screws and screw driver). Separate the packaging material and dispose of it in an environmentally responsible way.

Maximum Power @15 m/s= 2020 Watts
Rated Power @7 m/s= 530 Watts
RPM Range: 70 - 120
Warranty: The 2-year product warranty
Colour: Creamy White

GRID

ATLAS2.0 2KW Wind turbine of the latest generation. Due to the fabrication of fiberglass reinforced PBT plastics, the rotor blades are very durable and stable but at the same time very light. The body case is equipped with cooling fins and consists of aluminium. The maintenance-free sliding contact (free from charcoal) guarantees a good current flow and thereby no twisting of the cable in the pole.

Algorithms as:
TESUP Atlas2.0 Wind Turbine > TESUP Wind Charge Controller > Battery > Battery Inverter > Main Electricity Grid
Or
TESUP Atlas2.0 Wind Turbine > TESUP Wind Charge Controller > Grid Inverter > Main Electricity Grid

Cable lengths & cross-sections

Length	< 11 m	< 18 m	< 29 m	< 44	< 68 m	< 110 m
Cross-section	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	25 mm ²

WIRED COMMS.

AC

DC

