

2 kW STAND ALONE WIND MILL

The existing wind mill of AVIT is a Stand alone type horizontal axis wind turbine which was installed in the year 2012, generating 2kW. The wind turbine is having 3 blade. Permanent magnet synchronous generator is used. The output of generator is given to charge controller which charges the batteries. A 3.6kVA inverter converts the DC power from battery to 230 V AC power. The operation is explained the below.

Block diagram.

