MODULE (60CM * 60CM * 20CM) ROTATES ABOUT THE AIXS OF SHAFT.

SHAFT CONNECTOR ATTACHES THE MODULE TO THE SHAFT

SHAFT (Ø7CM)+ GENERATOR (Ø10CM) L-BENT TO HOLD MODULE AT 30° BRUSHLESS DC MOTOR AS DYNAMO

TUBULAR PIPE (Ø10CM)

ALUMINIUM ALLOY HOLLOW PIPES WITH TIG WELDING



RECTIFIER (PER 10 MODULES)

CONVERT AC (FROM GENERATOR) TO DC (FOR STORAGE).

COLUMN (Ø900MM)

GALVANIZED STEEL (BOLTED WITH ALUMINIUM PIPES)

BATTERY(10M³) + CHARGE CONTROLLER

48V 100Ah LiFePO4 USED HIDDEN UNDER THE PLINTH OF PAVILLION HELPS TO MANAGE FLOW OF SOLAR AND WIND ENERGY SIMULTANEOUSLY

NO ROTATION SOLAR CELL REMAINS FACING UP,



ROTATED QUARTER WAY



AS WIND PICKS UP (2-3M/S), IT STARTS ROTATING

ROTATED HALF WAY AS WIND PICKS UP (2-3M/S), IT STARTS ROTATING



MODULE ROTATION

CIGS PHOTOVOLTAIC CELLS (6 * 15CM*15CM)

GENERATES SOLAR ENERGY JUNCTION BOX HOUSES DIODES AND CONNECTOR PROTECTS THE PHOTOVOLTAIC CELLS

MODULE (60CM * 60CM * 20CM) ROTATES ABOUT THE AIXS OF SHAFT.

SHAFT (Ø7CM) L-BENT TO HOLD MODULE AT 30°

TUBULAR PIPE (Ø10CM)

ALUMINIUM ALLOY HOLLOW PIPES WITH TIG WELDING

COMBINER BOX (PER 10 MODULES) COMBINES ALL THE ENERGY TO SINGULAR OUTPUT

COLUMN (Ø900MM) GALVANIZED STEEL (BOLTED WITH ALUMINIUM PIPES)

BATTERY(10M³) + CHARGE CONTROLLER 48V 100Ah LiFePO4 USED HIDDEN UNDER THE PLINTH OF PAVILLION HELPS TO MANAGE FLOW OF SOLAR AND WIND ENERGY SIMULTANEOUSLY

