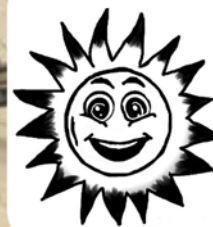




MOBILE POWER BIKE REPORT



DON
BOSCO
SOLAR


-
- ❑ Graduate from the Solar PV Advanced Professionals were assign to outcome with creative idea to make the mobile power bike.
 - ❑ The student design and transform the cargo bike to mobile power bike with new features, such as 5kW inverter and 5kWh battery to produce 230V for use.
 - ❑ The mobile power bike can be charged at E – Charging Station.

Purpose:

- ❑ To provide power at remote area example Tatale mission outstation in case of any emergency.
 - ❑ To provide power to the solar water pump in the push tank truck to wash panels.
-

A person is riding a mobile bike. The bike has a large, dark, curved body that houses a battery and a motor. A white circle highlights the battery compartment. The bike is on a paved surface.

Mobile bike with
a battery and motor only .

A mobile power bike is shown on a stage. It has a large, dark, rectangular body that houses a 5kW inverter and a 5kWh battery. The bike is on a paved surface. In the background, there is a banner with logos for Don Bosco Solar and Don Bosco Jugendhilfe, and a large arrangement of blue and green balloons.

Mobile power bike with
5kW Inverter and 5kWh
Battery to generate 230V



The items use in building the mobile power bike



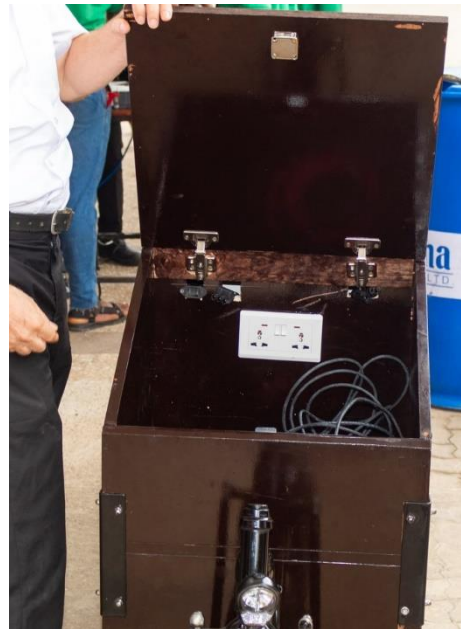
- ❖ Wood case
- ❖ 5kWh battery
- ❖ 5kW inverter



Installing inverter and battery

Installation work on mobile power bike





Exhibition of mobile power bike
on 27th July 2023 graduation event



Don Bosco Solar

Mobile Power Bike

Banner to showcase
mobile power bike

