

Pedal Power Inverter

The pedal powered inverter provides a method of electricity generation while a person exercises on his bicycle.

The pedal powered generator provides a method of generating electricity by means of a modified exercise bicycle for use in energy storage and running household appliances. Human/mechanical energy is converted into electrical current by means of a car alternator that is connected by a gear mechanism to an exercise bicycle flywheel. The energy created by the car alternator can be stored in various types of lead-acid batteries. Energy stored in battery can act as a supplemental energy source for battery banks that may already be used for wind, hydro and photovoltaic systems. For Alternating Current (AC) appliances an inverter is used to convert the DC to standard 230 volts of AC current for usage by household appliances.

This project focuses on various areas like providing back up power, supplying power at rural areas, power saving, reducing electricity bill besides providing a mode of effective physical exercise.





For further information please contact:

PEDAL POWERED INVERTER

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