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(57) Abstract :
The invention proposes a hydropower system for electricity generation utilizing household water pipelines and a water tank. Multiple pairs of plastic turbines are installed at 10-meter intervals in the pipelines, connected to a Dynamo motor with gears. The generated electricity charges a lithium battery via a DC battery charger and is converted for appliance use using a DC to AC converter. The system features a battery management system and automatic voltage controller, offering a sustainable and adaptable energy solution.

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