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07/08/2018

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what is thermal battery technology and how it differs from conventional battery technology? Also discuss its application.

THERMAL BATTERY:

Thermal Battery is a physical structure which is used for the purpose of storing ~~energy~~ and releasing thermal energy. A thermal battery allows energy available at one time to be stored temporarily and realeased at another time.

Thermal Battery	Conventional Battery
1) Thermal batterys use temperature diffrence to operate	1) It is based on charging and discharging by electricity.
2) In thermal battery stored thermal energy moves from one part to another	2) In Conventional battery electric charge is transfered from one electrode to another.
3) A thermal Battery has two parts Cool zone and a sink	3) In a Conventional Battery 2 nodes are present anode and Cathode.
4) In thermal Battery energy is stored or realesed	4) In an Conventional battery atoms turn into ions.

APPLICATION OF THERMAL BATTERY:

1) Thermal battery can be used in Integration of power grids to meet the Industrial demand and also in transport Systems. which in turn reduces power

प्रश्न की संख्या दीजिए

उम्मीदवारों को इस हाशिए में नहीं लिखना चाहिए

Enter number of question		Candidates must not write on this margin
	Issues and its use in transport System can reduce the use of fuel. 2) Thermal batteries have alwas been associated with defence applications. This is used in missiles, rockets and torpedoes since high temperature is required for its operation. The future of thermal batteries depends on the level of Innovation achievable which can help us to achieve greater targets	

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