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(57) Abstract :
The present invention relates to a system and method for improving the performance of the battery driven devices. The object of the proposed invention is to improve the discharging efficiency of the battery which is used as energy source for portable electronic and electrical appliances by adopting the different techniques based on electrochemistry properties of a battery. The techniques proposed here analyze the detrimental effects of recovery effect, thermal and rate capacity effect and ways to mitigate them. Also, maintaining the battery module/set at optimum temperature would mitigate the undesirable effect of internal resistance of the battery. It is envisaged that with the proposed techniques the lifetime of the battery can be extended by 20% to 30%.Following invention is described in detail with the help of Figure 1 of sheet 1 and Figure 2 of sheet 2 showing the flow chart of the proposed invention.

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