

The Design of A Charge Controller for Li-ion Battery in Vehicle

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ABSTRACT

The electronic products are tended to light thin short and small. and Beause of environmental protection, the lithium battery times has high energy density , high output power, can charge fast , fast charging, and some useful characteristic such as light , small and low pollution. it already can became the best choice of the power supply of the products of 3C (Computer, Communication, Consumer Electronics). Therefore, there are many battery company develop such Li-ion batteries which have smaller size Li-ion battery, lighter, energy is higher energy density, have economy , security , and environmental protection. The major development in this paper is to design a low cost vehicle battery charger.This design will modify the Li-ion battery charging method. It will have shorter charging time but it will not affect the battery life. In this these, we also analyze its character and performance. Moreover we also try to raise its efficiency based on the Li-ion battery character. In order to have results. We also make a real battery charger.

Keywords : battery charge、 Li-ion Battery

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