

**CORRELATION OF CAPACITY AND RATES OF DISCHARGE
OF
LEAD - ACID BATTERY**



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ABSTRACT

Many automotive batteries of lead - acid type generally rated its capacities at 20 Hr - Rate, as the result, when they are used in other higher rates of discharge its capacities will decrease but not linearly.

The scope of this experiment is to evaluate the relations of some variables that are very important to the capacity of battery such as rate of discharge, time, etc., at some range of temperature generally at ambient temperature and study the characteristics of the battery at various rates of discharge.

The experiment will concern only automotive battery of Lead-Acid type both 6 V and 12 V.



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