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POWER ELECTRONICS LAB MANUAL Exp-1. Study of characteristics of an SCR AIM: To obtain the V-I characteristics of SCR (Silicon Controlled Rectifier). APPARATUS REQUIRED: SL. No, Apparatus, Range, Type, Quantity. 1. Two continuously variable DC Regulated Power Supplies of 0-1v and 0-30v. Specification of Regulated Power Supply :

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devices for control and conversion of electric power. In particular, a power electronic circuit is intended to control or convert power at levels far above the device ratings. With this in mind, the situations encountered in the power electronics laboratory course will often be unusual in an electronics setting.

The power electronics laboratory is built around a reconfigurable circuit board, termed the Power-pole board, along with accessory daughterboards. The details of the Power-pole board are discussed in later sections of this experiment. This first experiment will familiarize you with the laboratory equipment and Power-pole circuit board. 1.2 ...

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