

Power semiconductor switches and triggering devices: BJT, MOSFET, SCR, IGBT, GTO, TRIAC, UJT and DIAC.

Rectifiers: Uncontrolled and controlled single phase and three phase.

Regulated power supplies: Linear-series and shunt, switching buck, buck boost, boost and Cuk regulators.

AC voltage controllers: single and three phase. Choppers. DC motor control. Single phase cyclo-converter. Inverters: Single phase and three phase voltage and current source. AC motor control. Stepper motor control. Resonance inverters. Pulse width modulation control of static converters