

# Automatic Voltage Regulators



The automatic voltage regulator (AVR) is a device designed to regulate Voltage automatically that is, to take a fluctuating voltage level and turn it into a constant voltage level. There are many types of automatic Voltage Regulators.

The function of the Automatic Voltage Regulator (AVR) is to maintain constant voltage and power line conditioning to the equipment load under a wide variety of conditions, even when the utility input voltage, frequency or system load vary widely. The AVR shall consist of an all copper, multiple tapped, triple shielded isolation transformer and contain independently controlled inverse parallel electronic switches for each of the 5 taps per phase to provide tight voltage regulation.