

Power Electronics Notes

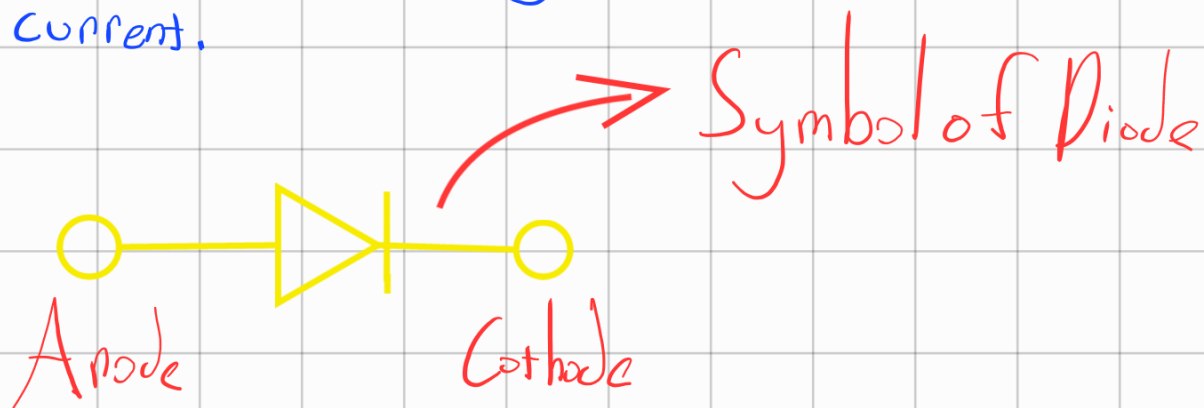
Ekrem Turan First - ekremturanfirst.com

Chapter 1 - Introduction

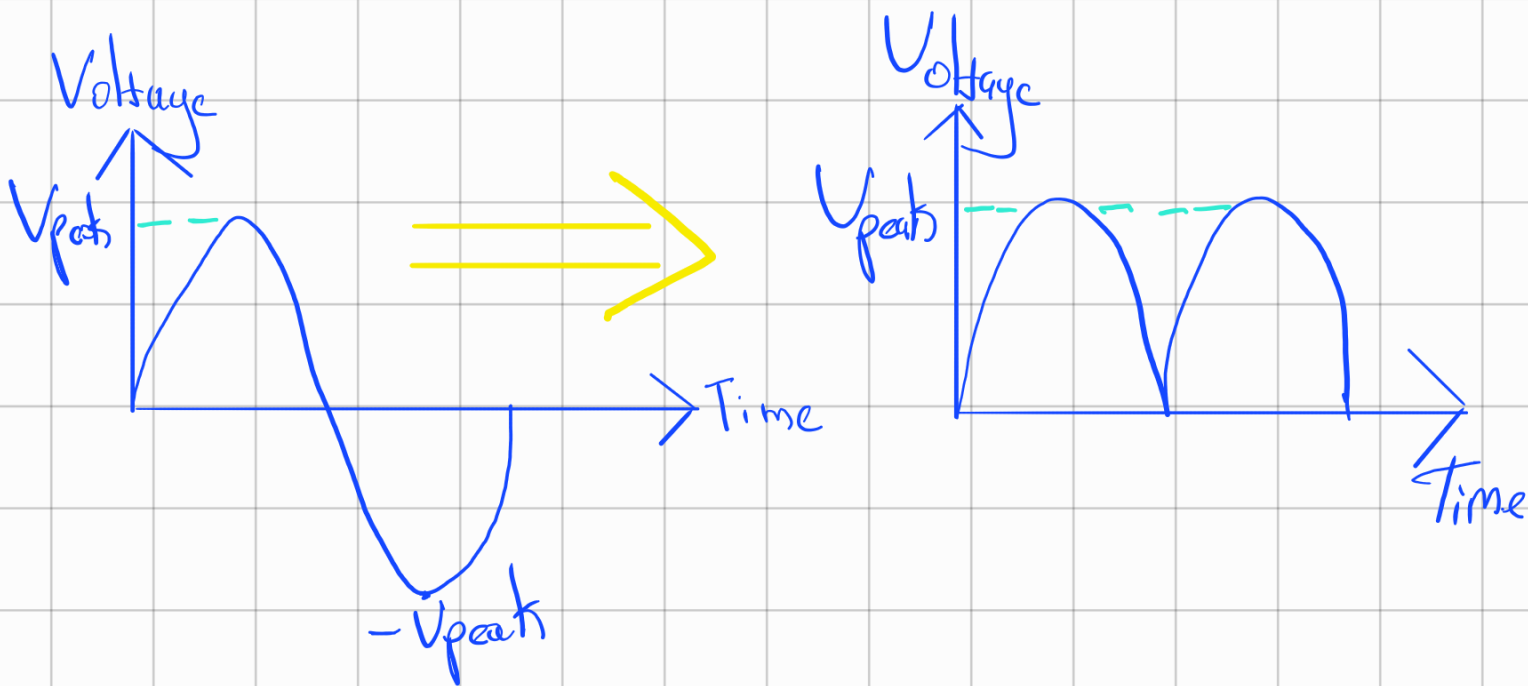
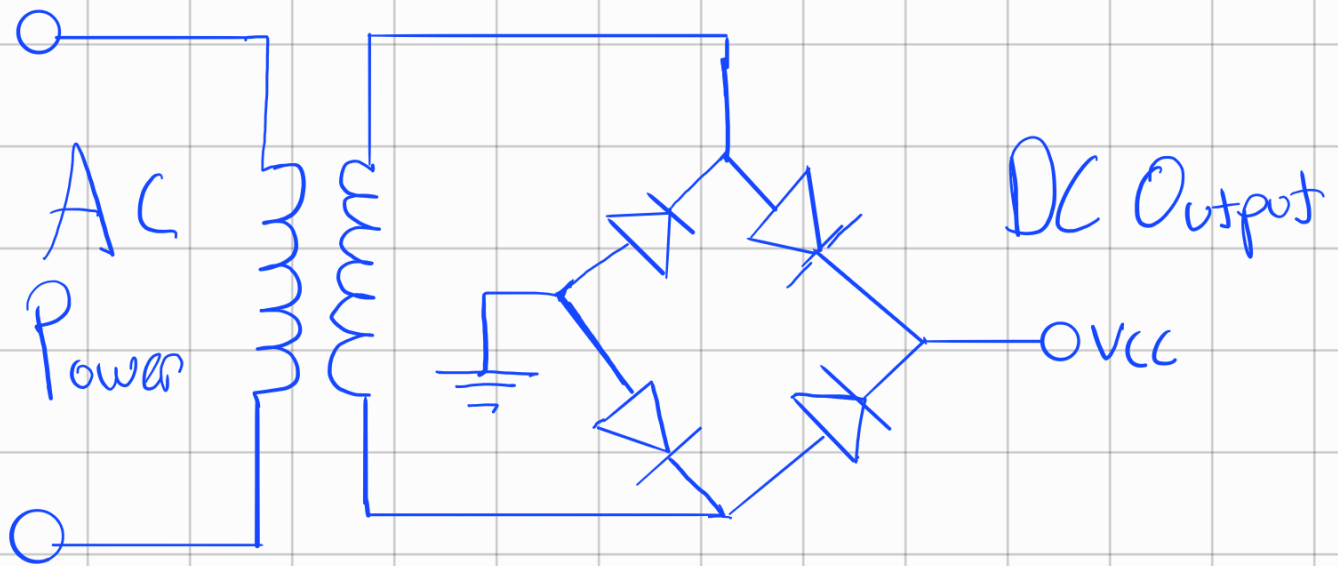
Power electronics is essentially the conversion of electrical energy from one state to another. Whatever the name of application is, it is a circuit of this type.

1.1: Converters - Rectifiers with Diode

Rectifier with diodes is AC Voltage converted to DC Voltage. When the anode voltage is greater than cathode voltage, the diode conducts electrical current.



Full Wave Rectifier



As you can see in the graph. AC voltage has converted to pulsed DC voltage.