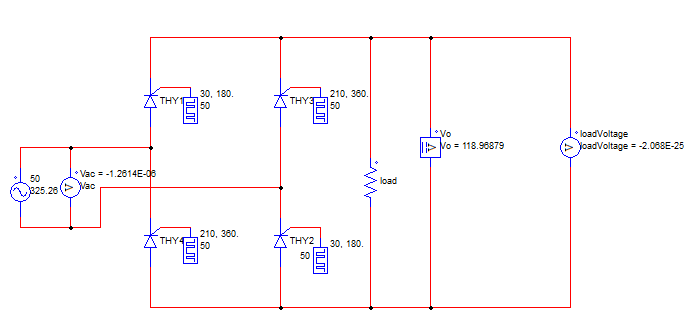
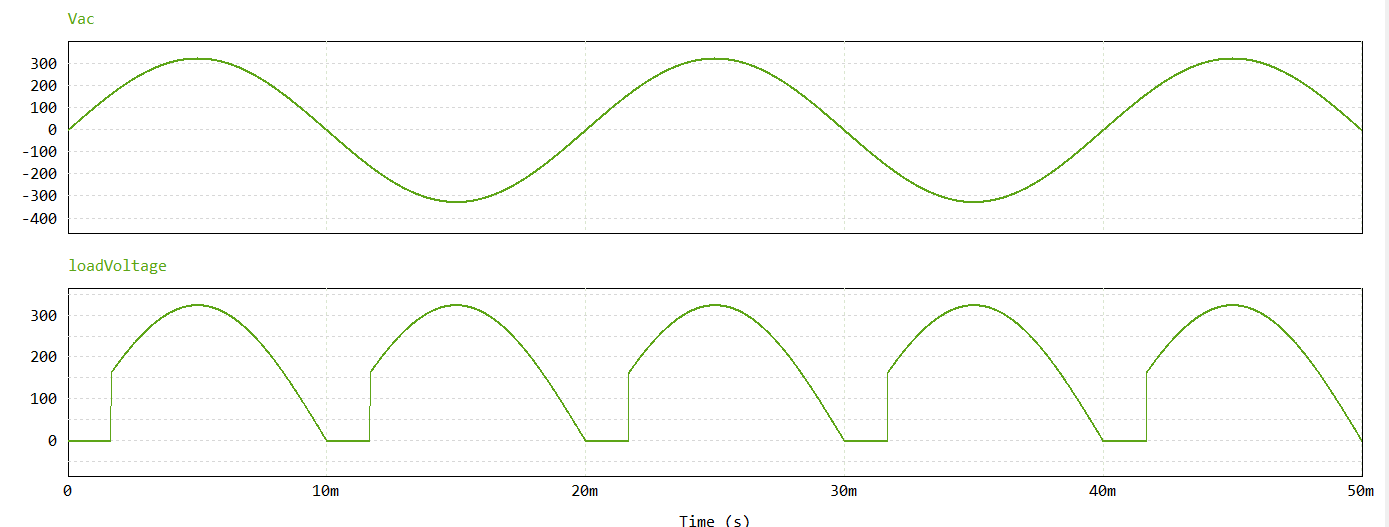
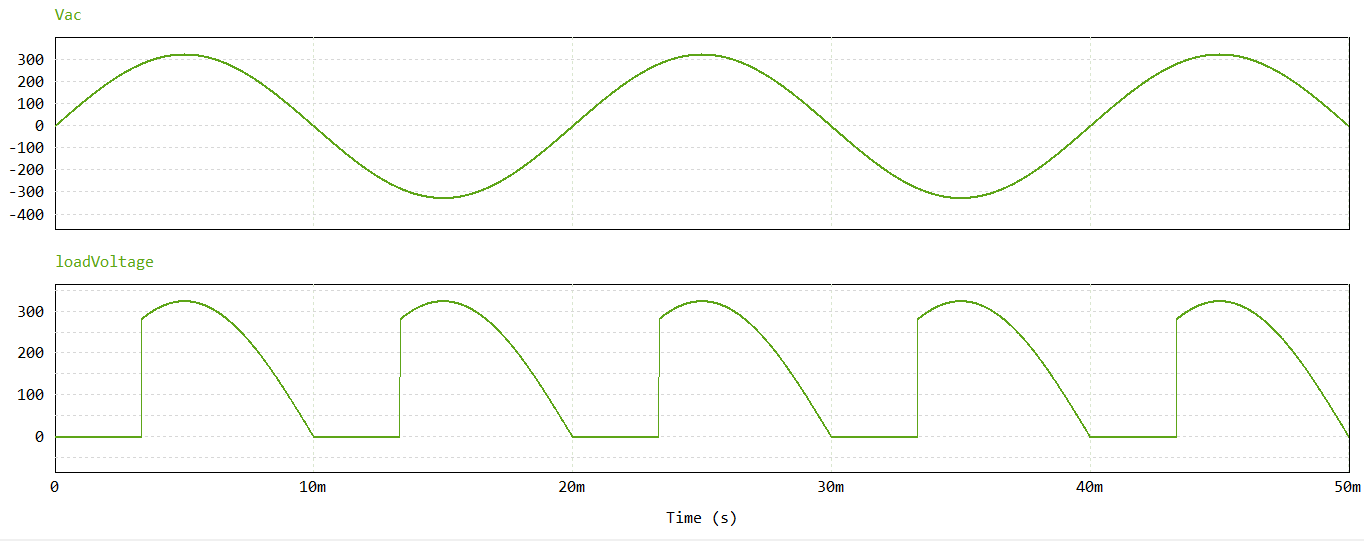
**Experiment N0.4**

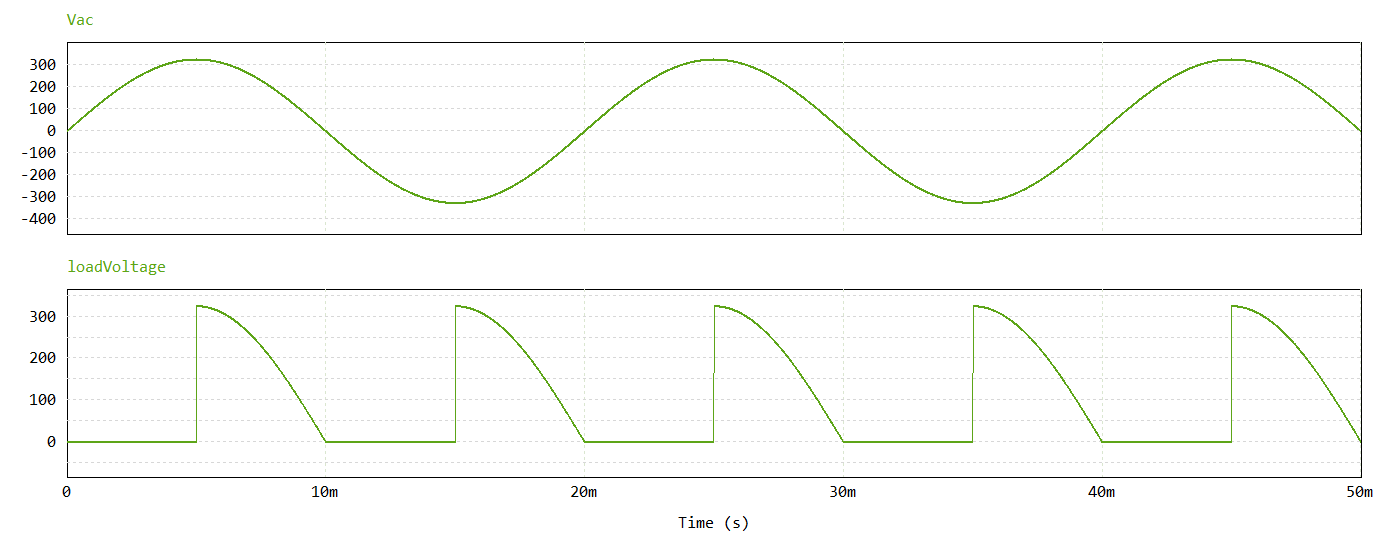
**R-Load**

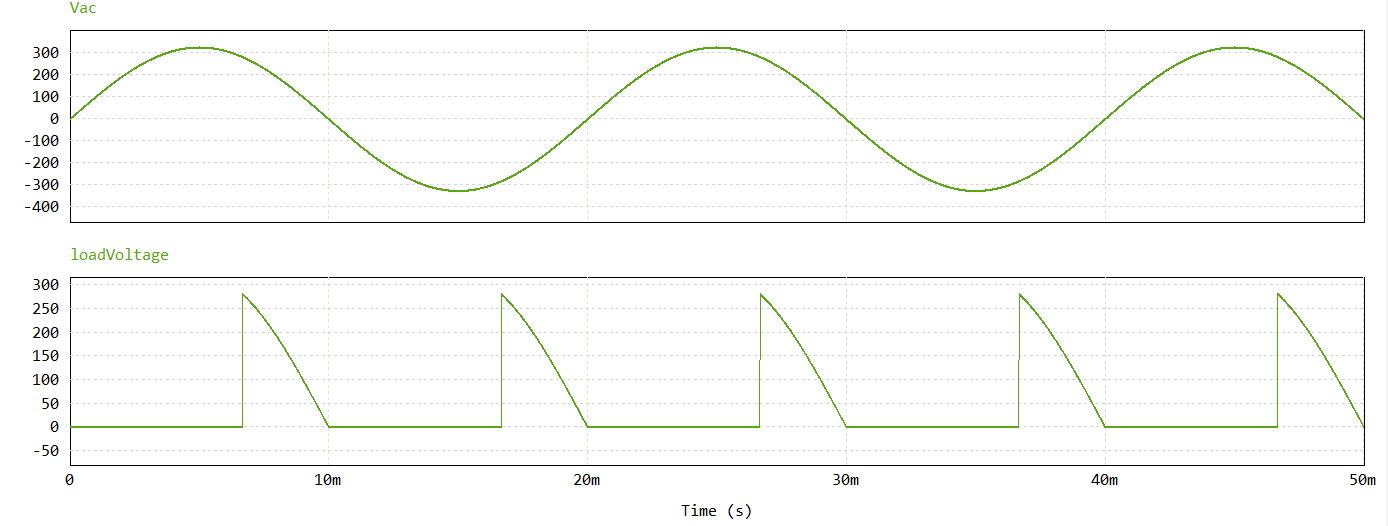
Circuit Diagram:

Waveforms:

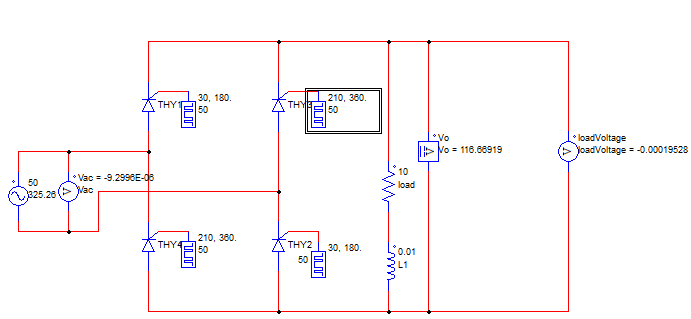
 Firing angle : 30 degree

Firing angle : 60 degree

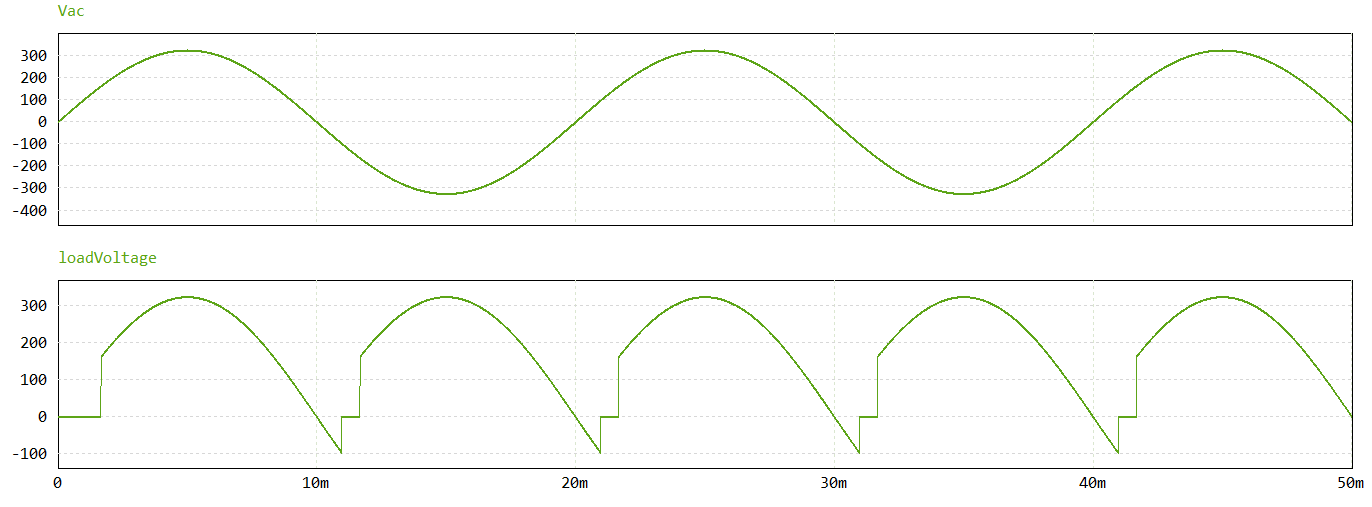
Firing angle : 90 degree

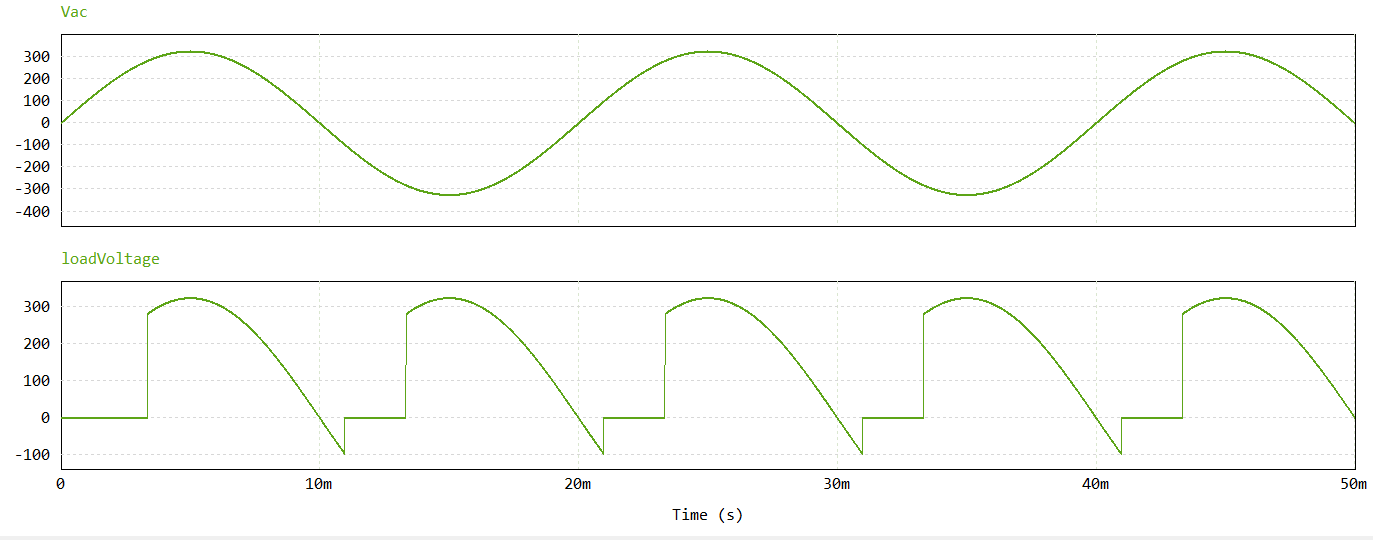
****Firing angle : 120 degree

**RL-Load**

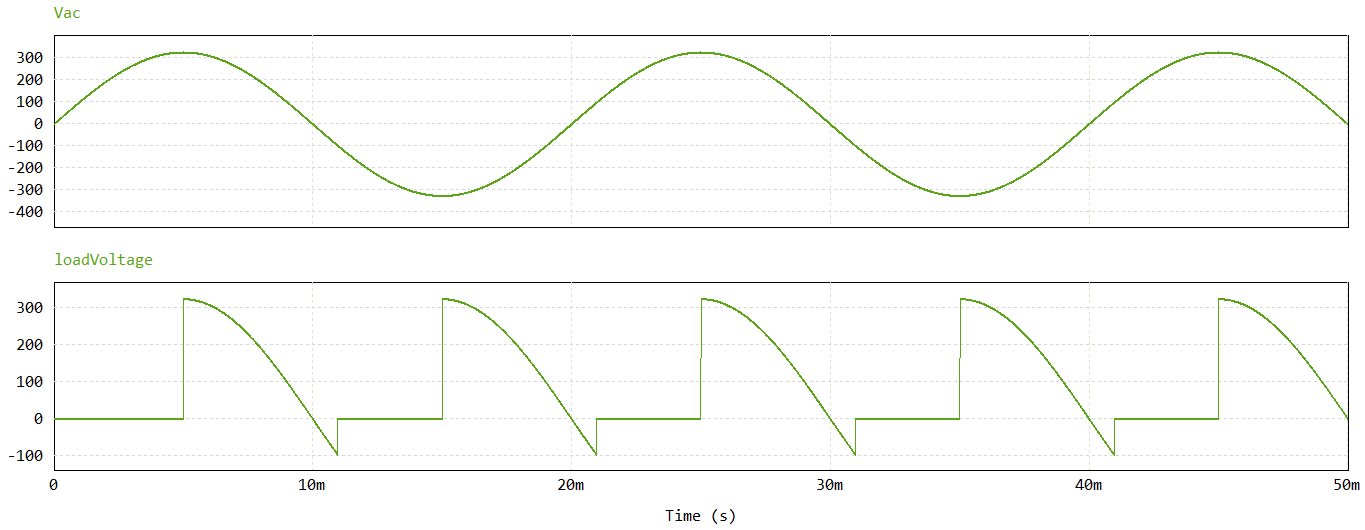
Circuit Diagram:

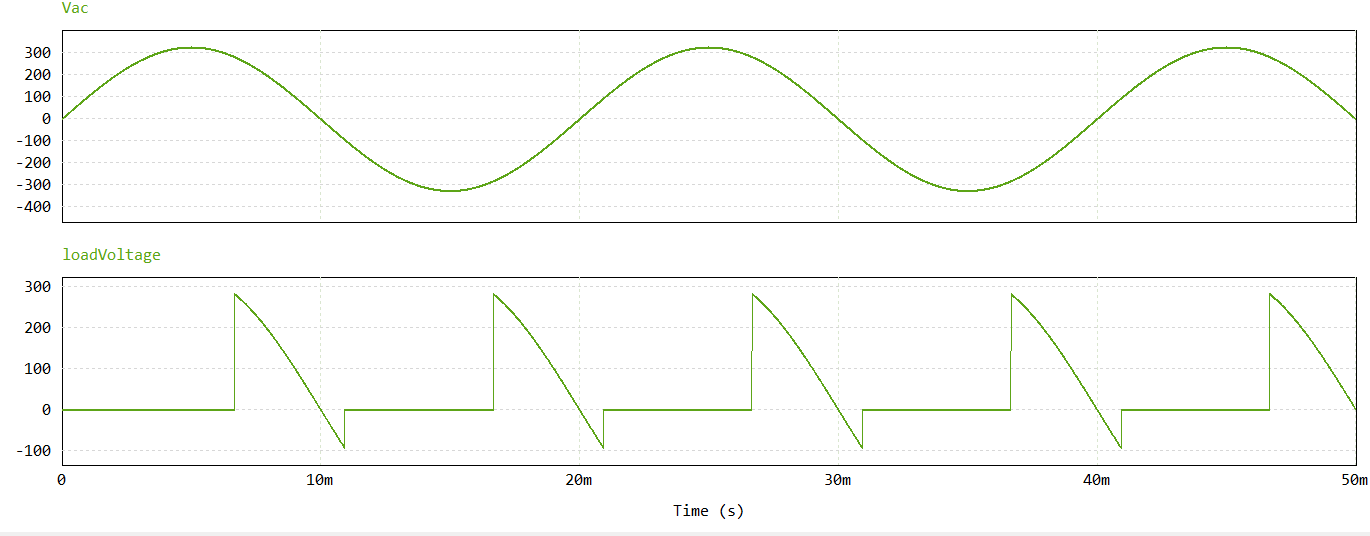
Waveforms:

Firing angle : 30 degree

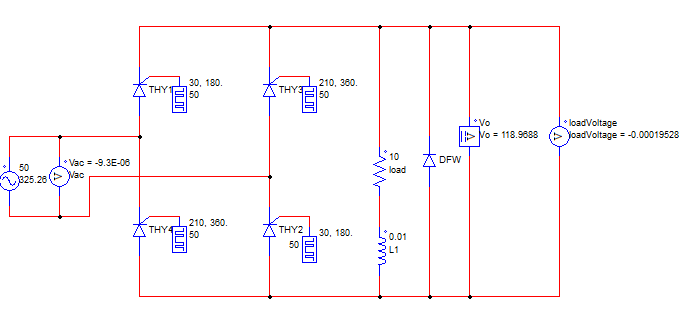
Firing angle: 60 degree

Firing angle: 90 degree

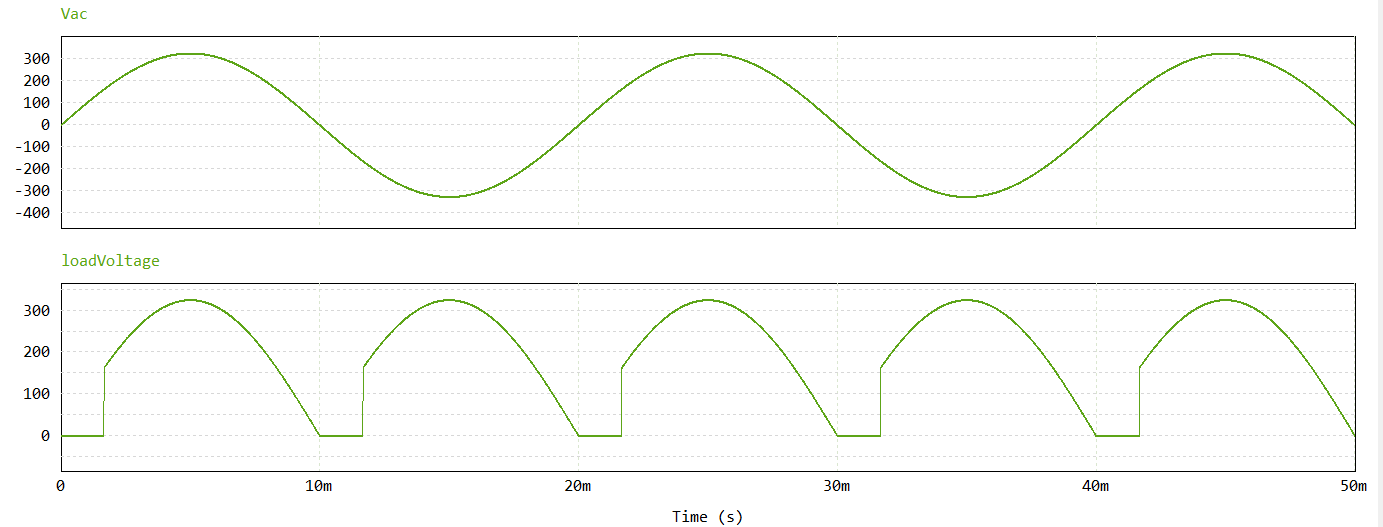


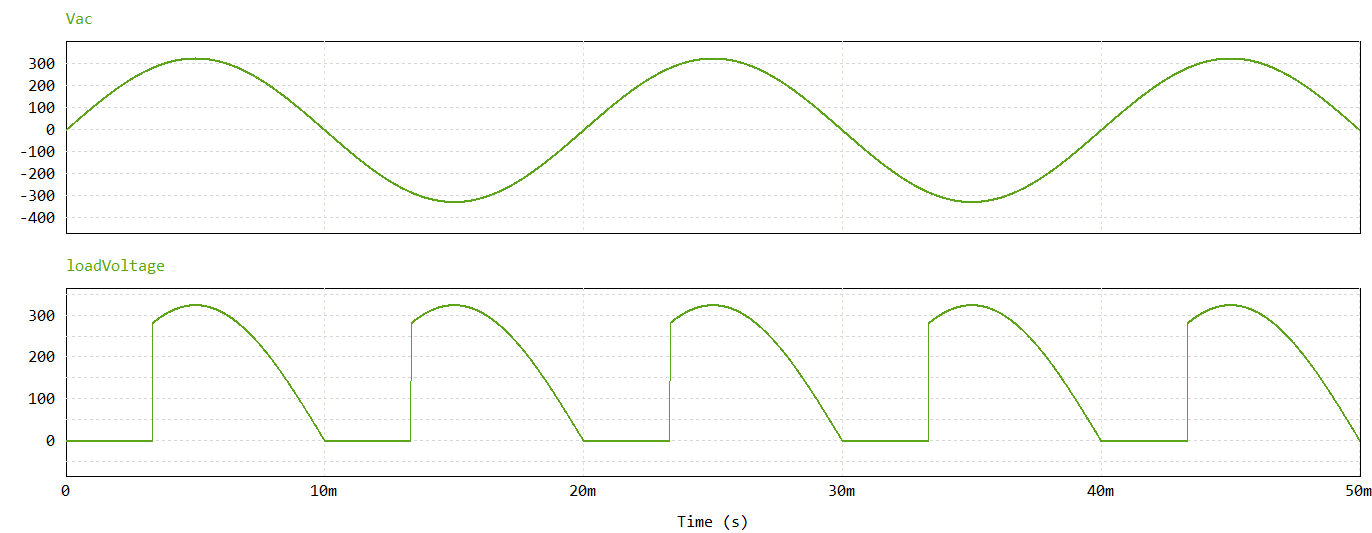
Firing angle : 120 degree

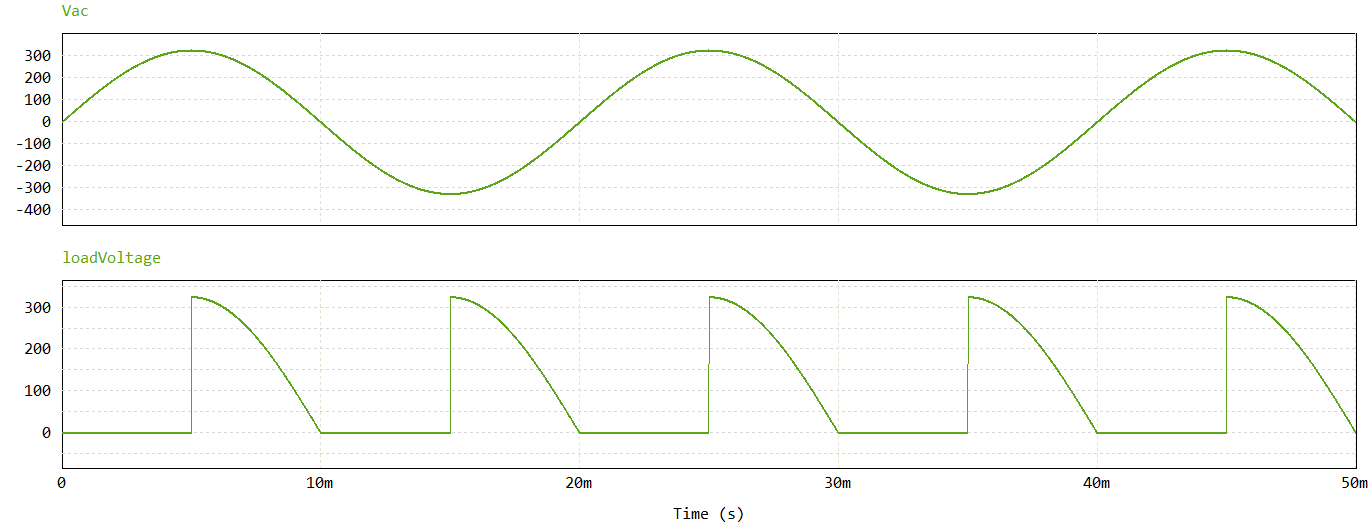
**RL Load with Free Wheeling Diode**

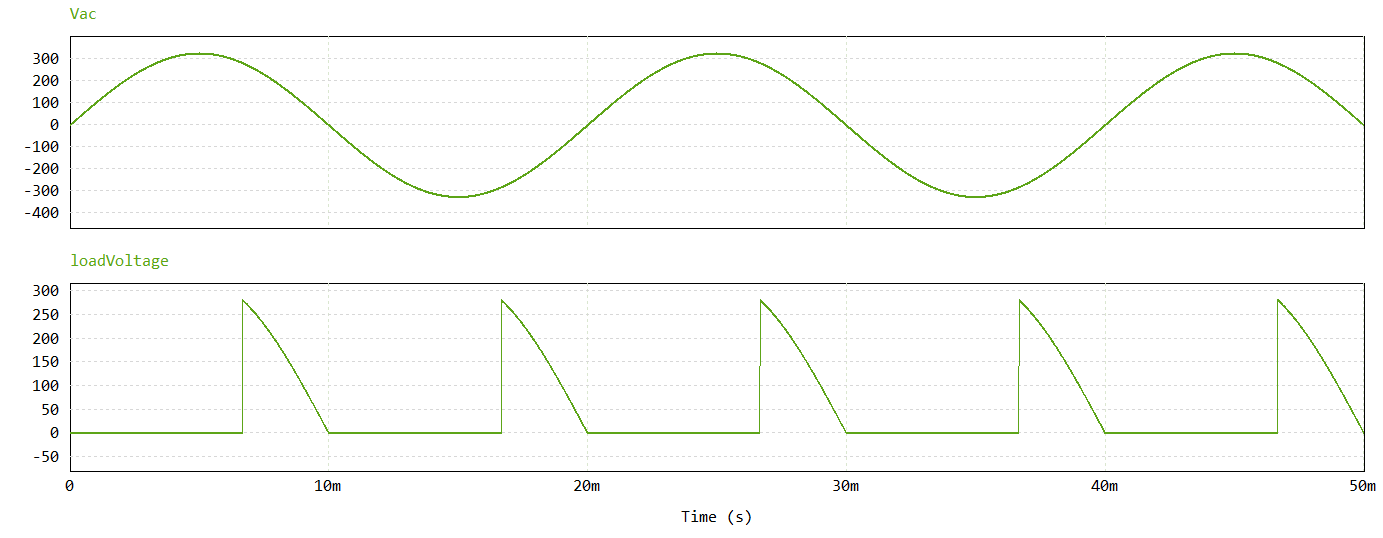
Circuit Diagram:

Waveforms:

Firing angle: 30 degree

Firing angle: 60 degree

Firing angle : 90 degree

Firing angle : 120 degree