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US DOL SPONSORED TAACCCT GRANT: TC23767 P PRIMARY DEVELOPER: Jim Blair – Henry Ford College

Solid State Electronics – Unit 7: Power Supplies

Study Guide

- 1. Review course structure.
- Watch: <u>https://www.youtube.com/watch?v=brB1sZyJPIs</u> Title: An Introduction to Linear AC-DC Power Supplies Author: SolidStateWorkshop
- Watch: <u>https://www.youtube.com/watch?v=cyhzpFqXwdA</u> Title: Diode Tutorial & How to build an AC to DC power supply Author: SolidStateWorkshop
- 4. Complete lab on Power Supplies.
- 5. Review the information and diagram on Half Wave and Full Wave Voltage Regulation.
- 6. After completing the power supply lab and voltage regulation labs, complete the two exercises on Matching Power Supply Components.
- 7. Complete the Power Supply Waveforms Exercises found in Topic Unit 7 Documents.
- 8. After completing the power supply lab, complete the exercise on Power Supply Waveforms.
- 9. After completing the Power Supply Lab, complete the exercise for Power Supply Waveforms.





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