Unit 5 - Power conversion with isolation

Assignment 3

Day 32 of 2020-10-16, 23.02.47

1. A tapped converter operates from an input voltage of 230V and supplies 230V and 230V. The power stage is operating at a duty cycle of 50%. The output voltage is 115V and the output voltage is 230V. The load current is 15A. What should be the value of the main inverter switch of the primary side switcher?

2. A tapped converter operates from an input voltage of 230V and supplies 230V and 230V. The power stage is operating at a duty cycle of 50%. The output voltage is 115V and the output voltage is 230V. The load current is 15A. What should be the value of the main inverter switch of the primary side switcher?

3. A tapped converter operates from an input voltage of 230V and supplies 230V and 230V. The power stage is operating at a duty cycle of 50%. The output voltage is 115V and the output voltage is 230V. The load current is 15A. What should be the value of the main inverter switch of the primary side switcher?

4. A tapped converter operates from an input voltage of 230V and supplies 230V and 230V. The power stage is operating at a duty cycle of 50%. The output voltage is 115V and the output voltage is 230V. The load current is 15A. What should be the value of the main inverter switch of the primary side switcher?