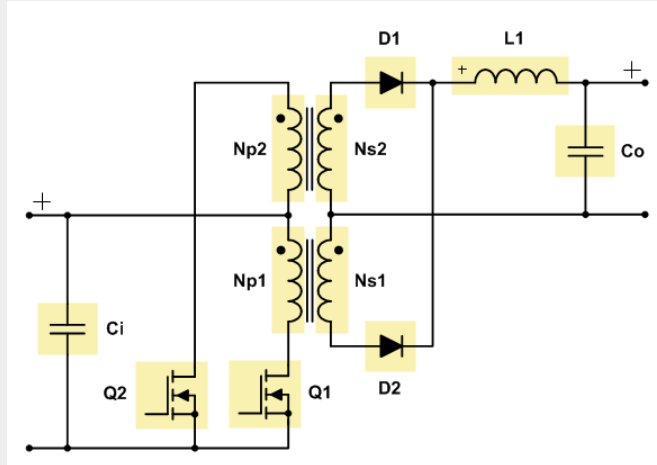


Design Values

- Minimum Input Voltage: V
- Maximum Input Voltage: V
- Output Voltage: V
- Output Current: A
- Switching Frequency: kHz
- Diode Voltage Drop: V
- Inductor Current Ripple: %
- Maximum Duty Cycle: %
- Magnetizing Current: %



Recommended Values

- Turns Ratio: **0.23** : 1
- Transformer Inductance: **22.97** μ H
- Inductance: **50.86** μ H

Choose Values

- Turns Ratio: : 1
- Transformer Inductance: μ H
- Inductance: μ H

| | | | |
|--|--------------|-------------------------|---------------|
| Calculated Values at Input Voltage: 24.00 V | | Load Current: | 7.00 A |
| Period: | 7.69 μ s | Input Power: | 567.00 W |
| Duty Cycle: | 33.75 % | Output Power: | 560.00 W |
| On-Time: | 2.60 μ s | Rectifier Diode Losses: | 7.00 W |
| Off-Time: | 1.25 μ s | | |
| Zero-Time: | 0.00 μ s | Input Current: | 23.62 A |
| | | Current Ripple: | 1.81 A |
| | | | 25.83 % |

Info

[Check TIDesigns™ Reference Design Library](#)



