

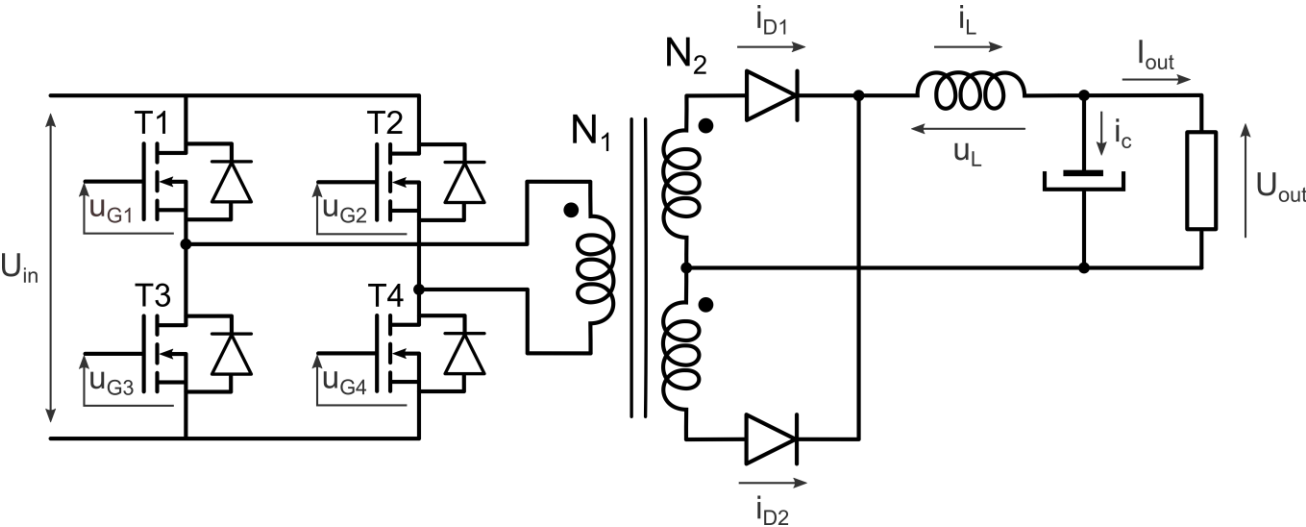
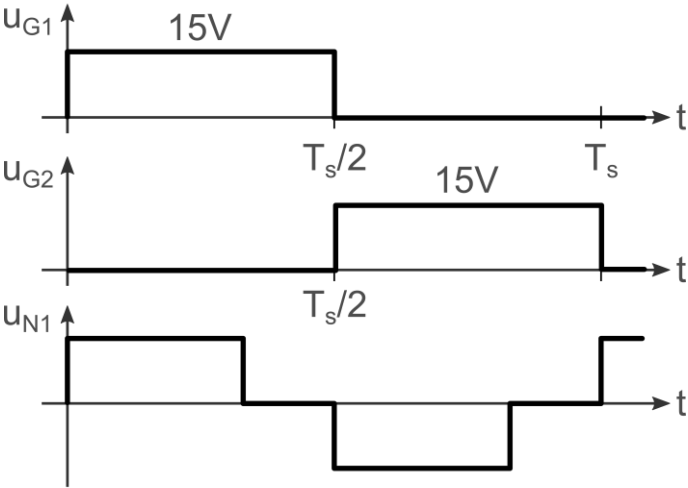
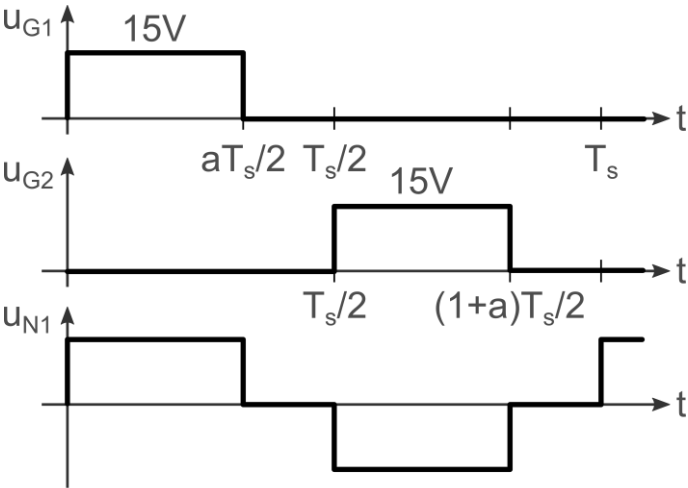
# ISOLATED POWER SUPPLIES

-continued-

# DC POWER SUPPLY

Isolated (DC) power supplies

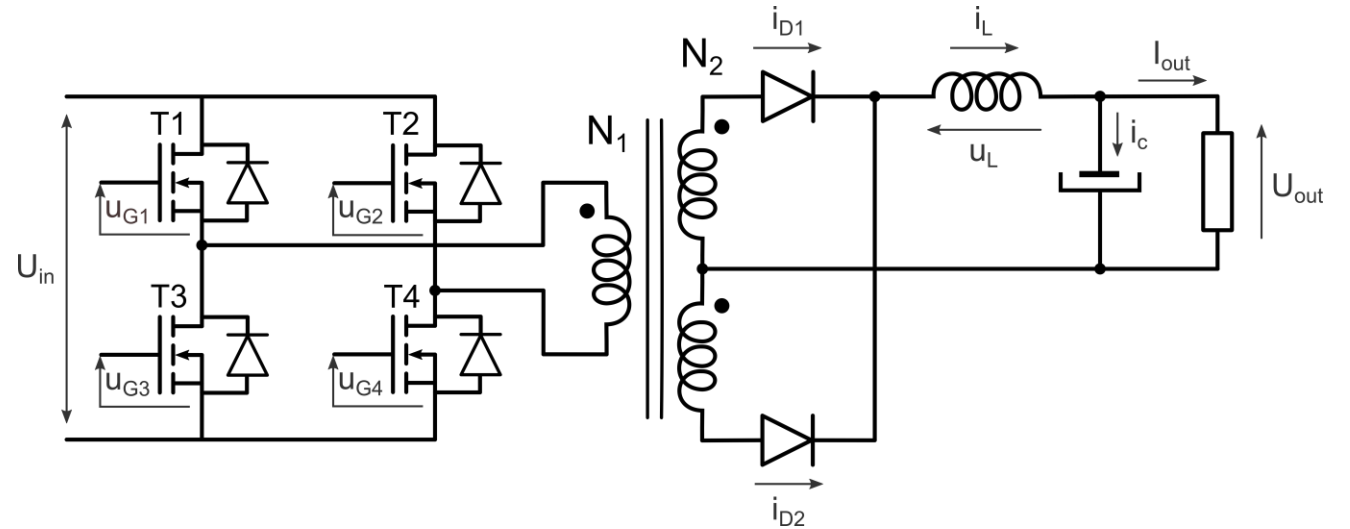
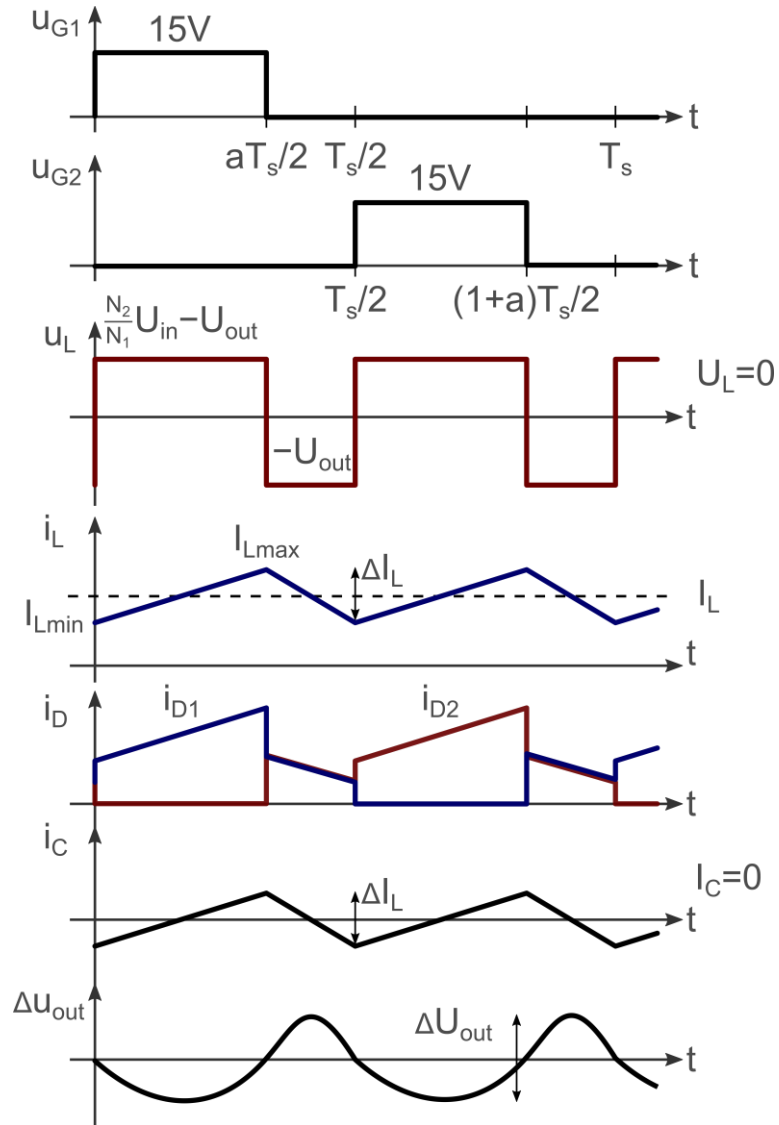
Full-bridge converter



# DC POWER SUPPLY

## Isolated (DC) power supplies

### Full-bridge converter



$$U_L = 0 \Rightarrow \left(\frac{N_2}{N_1}U_{UL} - U_{IZ}\right) \cdot \frac{T_S}{2} a = U_{IZ} \cdot (1 - a) \frac{T_S}{2} \Rightarrow \frac{U_{IZ}}{U_{UL}} = \frac{N_2}{N_1} a$$

# DC POWER SUPPLY

Isolated (DC) power supplies

Full-bridge converter

