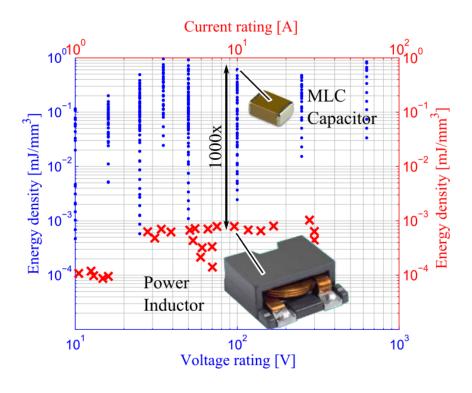
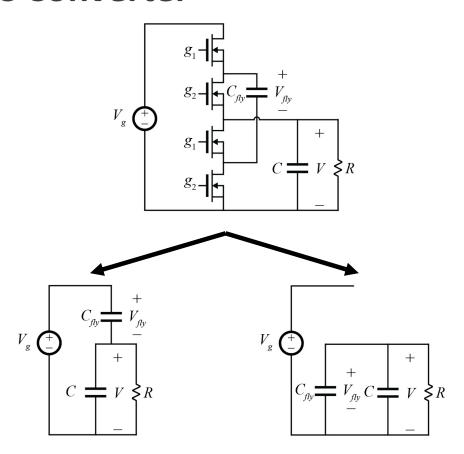
Switched Capacitor Converters



A 2:1 SC Converter



SC Converters

- Fixed conversion ratio
 - Continuous regulation impossible¹ (except linear)
- Not lossless, even with ideal elements
- Can be very small, fully integrated

- Resonant versions can reduce loss
- Hybrid versions can allow regulation

Capacitor Charging: Voltage Source



Capacitor Charging: Current Source

