

High Power Density

Requires

Smaller Passive Components

Requires

High Switching Frequency

Causes

High Switching Losses

Requires

Soft Switching

Decision

QSW ZVS

Causes

High Current Ripple

Decision

Interleaved Half Bridges

Causes

Low Voltage and Current Ripple

Causes

High Conduction Losses

Decision

Half Bridge Paralleling

Helps

Helps

