

**High Voltage
(1-25 kV)**

**Simplified circuits and
expanded capability**

**High Current
Density
($> 1\text{kA}/\text{cm}^2$)**

**High Duty
Cycle
($> 100\text{ kHz}$)**

**Smaller, lower loss, active
and passive components**

High Temperature ($> 250\text{ }^\circ\text{C}$)

**Smaller cooling
systems**

**Silicon
Carbide**