**Transformer Parameters**

<table>
<thead>
<tr>
<th>Core</th>
<th>Power</th>
<th>Weight</th>
<th>Dielectric Isolation</th>
<th>Voltage</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>E153</td>
<td>120kW</td>
<td>13KG</td>
<td>4kV</td>
<td>1000V</td>
<td>1200A</td>
</tr>
</tbody>
</table>

- Full Bridge
- Half Bridge
- Boost
- Resonant
- Push Pull
- Buck

**Transformer Specification Example**

- Total Output Power: 100kW
- Topology: Full Bridge
- PSU Output DC Voltage & Current: 500Vdc @ 200A (max)
- Primary Inductance: 800 - 900μH
- Leakage Inductance: <1μH
- Primary Winding Current: 133A rms
- Secondary Winding Current: 200A rms
- Switching Frequency: 20kHz
- Minimum Bus Voltage: 750V
- Maximum Bus Voltage: 820V
- Turns Ratio: Primary to Secondary 12.8
- Cooling: HeatSinks / Coldplate
- Insulation Test Voltage: Primary to Secondary 4000Vrms
- Primary to Core: 2500Vrms
- Secondary to Core: 2500Vrms
- Standard: EN60950

**Inductor Application**

- Transformer Technical Information

**Technical Information**

- Isolation Voltage:
  - Primary - Secondary: 4kVrms
  - Primary - Core: 2.5kVrms
  - Secondary - Core: 2.5kVrms
- Switching Frequencies: 20kHz - 500kHz