Transformer Parameters
- Core: E153
- Power: 50kW
- Weight: 3KG
- Dielectric Isolation: 4kV
- Voltage: 1000V
- Current: 1200A

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

Inductor Application
- Size: 1200

Transformer Technical Information
- Isolation Voltage:
  - Primary - Secondary: 4kVrms
  - Primary - Core: 2.5kVrms
  - Secondary - Core: 2.5kVrms
- Switching Frequencies: 20kHz to 500kHz

Transformer Specification Example
- Total Output Power: 25kW
- Topology: Full Bridge
- PSU Output DC Voltage: 200-400V
- Primary Inductance: 12.3mH ± 25%
- Primary Winding Current: 45.2A rms
- Secondary Winding Current: 62A rms
- Switching Frequency: 20kHz
- Minimum Bus Voltage: 584V
- Maximum Bus Voltage: 800V
- Turns Ratio: Primary to Secondary 36:18
- Cooling: Clmp + Heatsink + air flow
- Insulation Test Voltage:
  - Primary to Secondary: 4000Vrms
  - Primary to Core: 2500Vrms
  - Secondary to Core: 2500Vrms
- Standard: EN60950

Dimension Diagram