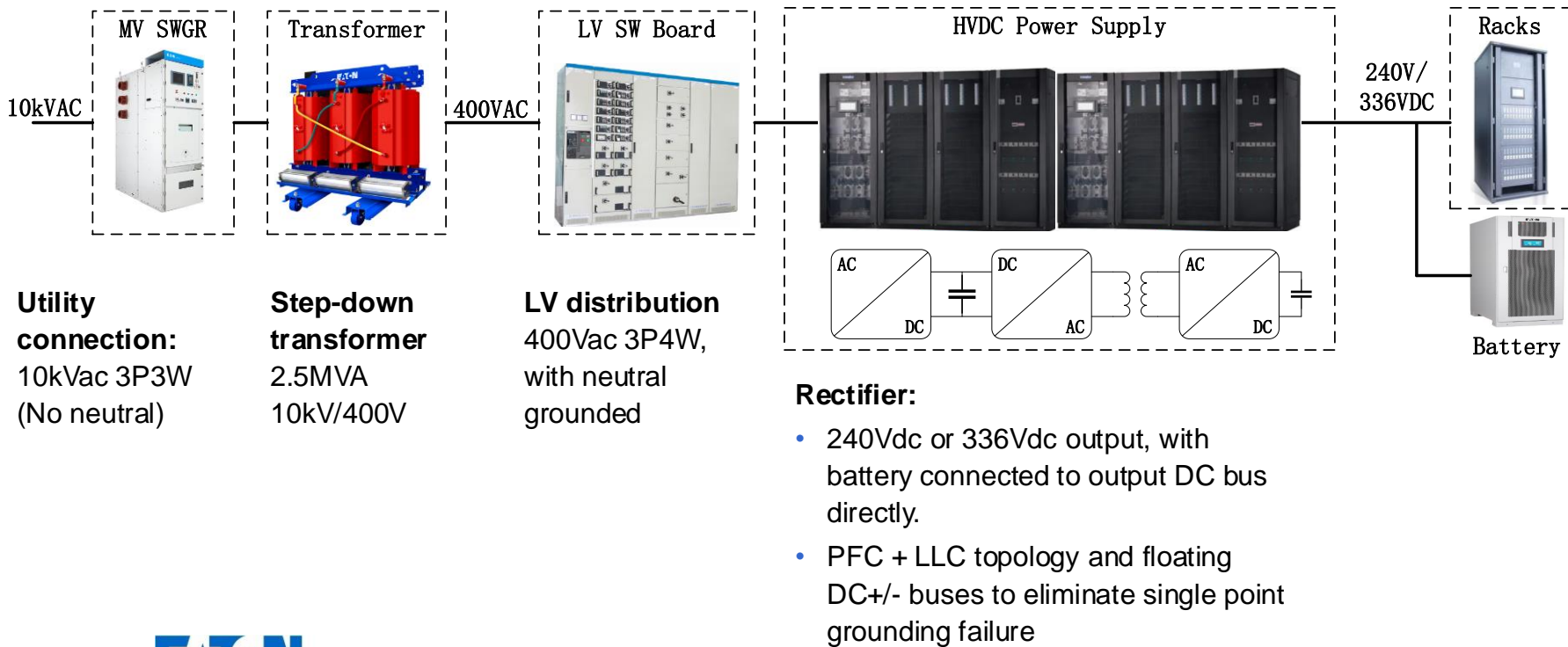
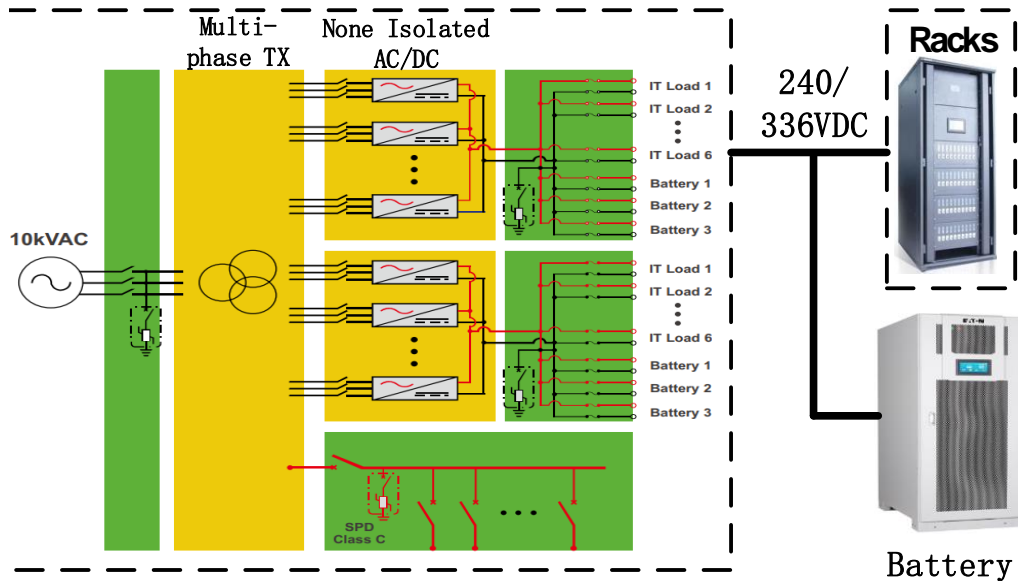


Architecture for DC Data Centers - 1

Conventional Topology



Architecture for DC Data Centers - 2



- **Utility connection:** 3P3W no neutral
- **Special MV transformer:** 10kVac 3P3W input, multi-winding 2-phase 400Vac outputs
 - 400Vac is 3P3W, with neutral floated
- **Rectifier:** Diode rectifier + buck topology
 - 240Vdc or 336Vdc output, with battery connected to output DC bus directly
 - Floating DC+/- buses to eliminate single point grounding failure