



Power Distribution

- Air insulated switchgear with vacuum circuit breaker
- Compartmentalized design
- Draw-out and fixed type distribution switchgear
- Designed as per IEC 62271-200
- Service continuity and partition category LSC2A / PM as per IEC
- Internal arc design and protection classification - ALFR as per IEC
- Compatible with latest measuring and protection equipment



Technical Details

Rated voltage	12kV
Rated current	630A, 1250A, 1600A, 2000A
Rated frequency	50 Hz
Power frequency withstand voltage	28kV for 1min
Lightning impulse voltage	75 kVpeak
Short time current withstand capacity	31.5kA for 3sec
Degree of protection for enclosure	IP4X
Design ambient temperature	40°C



Protection and control: LV control and protection apparatus are mounted in separate compartment installed on front side of switchgear panel. Power Economy switchgears are compatible with modern relays and monitoring equipment.



Quality assurance: Power Economy assures quality of all its product and services. Power Economy business process is certified for ISO: 9001-2000

Enclosure: Switchgear enclosures are of self-supporting type and are made-up of 2mm sheet steel. Load bearing members are of 2.5/3mm sheets. Fabrication of sheet components is done using CNC and NC machines. Fabricated components are powder coated or zinc plated for surface protection. The freestanding functional units are extensible type.

Components: Power components like circuit breaker current transformers, busbars are installed in separate compartment providing service continuity class LSC2A as per IEC62271-200. Metallic partitions are provided to segregate compartments. Busbar, circuit breaker and cable termination compartment are designed for internal arc protection.



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