



Reactive Power Compensation

- Detuned capacitor Banks
- Harmonic filters
- Type tested designs
- Metal enclosed designs
- Indoor and out door applications
- Air and iron core type tuning & current limiting reactors
- Built-in or separate control & protection panel
- Engineered for specific applications



Technical Details

Rated voltage	3.6kV to 36kV
Rated frequency	50/60 Hz
Power frequency withstand voltage	20kVrms to 95kVrms
Lightning impulse voltage	40kVpeak to 170kVpeak
Short time current withstand capacity	20kA for 1 sec to 31.5kA for 3sec
Degree of protection for enclosure	IP42 to IP55
Design ambient temperature	35°C to 55°C



Enclosures: Capacitor bank enclosures for both indoor and outdoor applications are frame construction made out of cut and welded steel angles. Covers and doors are made-up of sheet steel, fabricated using CNC and NC machines. Welded structures and fabricated components are powder painted to give protection against environment.

Components: Subcomponents are installed stage-wise. Required capacitor units, switching device, protection fuses, CTs and other power components are mounted in individual stages, which are segregated using partitions. Tapings from continuous busbars are provided for individual stage sections.

Control and Protection: Capacitor banks incorporate built-in or separate control and protection cubicles. Options for control and protection are; automatic power factor correction, automatic voltage control and specific voltage and current protection schemes.



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



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