

# Hybrid Filters



## Description

Hybrid Power conditioning system is a combination of Dynamic Activcomp Thyristor based Power Factor Correction System and IGBT fired Active Harmonic Filtration System offers most viable and economical solution for both Power Factor Compensation and Harmonic Mitigation. The designs offered by us are installed for compensation and Harmonic compliance of main transformer or at major load feeders. Though there are standard ratings but any design can be offered as per customer load characteristics and level of harmonic distortion.

### Rating (Dynamic Reactive Compensation + Active Filter)

- 300 KVAR + 60A
- 400 KVAR + 100A
- 500 KVAR + 150A
- 600 KVAR + 200A
- 800 KVAR + 300A
- Any other rating on request

# Technical Specifications

#	Parameters
Design	Modular Steel Metal Enclosures
Enclosure Finish	Epoxy powder coated, in grey (RAL 7035)
Internal parts	Rust proof zinc passivated/ powder coated
Controller	3 Phase Intelligent Controller with GSM/GPRS connectivity for remote data monitoring
Backup Protection for Capacitor Bank	HRC Fuses (Optional- SFU's / MCCB's)
Thyristor Switching Module and IGBT fired circuit for Active filter	Integrated Thyristor Modules with Heat Sink, Firing Board Circuit, Axial Flow Fan with Thermostat
	DUCA POWER Super Heavy Duty Series / Ultima Super Heavy Duty
Capacitors Bank	Series at 525V 50/60Hz
Ventilation	Through Axial Flow Fan
Protection class	IP 40



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