

Specifications

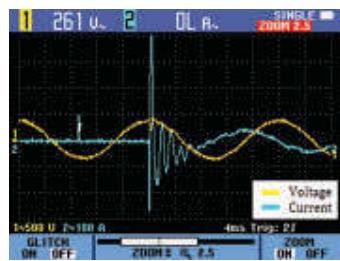
- Voltage : 415V/440V/550V/660V/750V, 3 phase
- Frequency : 50 Hz/60 Hz
- Intelligent power factor correction upto 16 stages
- Switching device : Thyristors (SCR) module equipped with SCR, heat sink, firing module.
- Temperature : -5°C to +45°C
- Metal cabinet (indoor) powder coated with IP4X & forced cooling fan.
- Incomer : MCCB/ACB/SFU
- Equipped with ventilation system (Forced) with centrifugal backward curved type fan.

Capacitors:

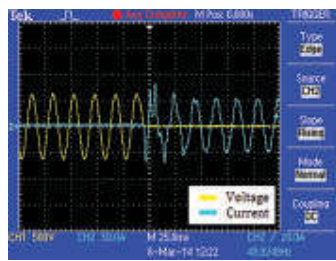
- All polypropylene film (APP) film + foil design
- MPP (Metallised polypropylene film) design
- Connection : Delta/Star

Features:

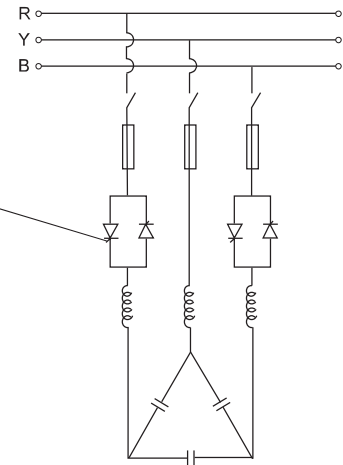
- Zero voltage switching terminology with intelligent electronic control.
- Smooth, surgeless, transient free switching of capacitor which will not cause disturbances to sensitive networks or neighbouring equipments.
- Fast & fine correction of Power Factor.
- Line chokes for thyristor, di/dt protection & detuned filter usage.
- Transient free switching causes long life of system components without limitations of number of switching operations.
- **Current free wheeling low wattage resistors across Series Reactor to reduce insulation stresses which forms RLC circuit.**



Current waveform with switching Capacitor bank with contactors (transient)



Current waveform with switching Capacitor Bank with Thyristor (no transient)



Applications:

- Automobile industry & Steel industry
- Textile/Cement/Ceramic/Sugar/Refinery industry
- Wind mills, Escalator, Elevator & Conveyor system
- Multiplex, Commercial, Buildings, Offshore drilling, Harbour cranes

Applicable Standards

- IEC-61439-Part1 & Part2 (Control gear & Switch gear assembly)
- IEC-61921 (For capacitor bank)
- IS-8623 (Control gear & Switch gear assembly)

Series	Size	Size (With APP Capacitors)			Size (With MPP Capacitors)			Step Configuration
		Width	Depth	Height	Width	Depth	Height	
LVAS-T	150	1300	850	2300	1500	850	2000	25K x 6
LVAS-T	200	1500	850	2300	1500	850	2000	50K x 2 + 25K x 4
LVAS-T	300	1750	850	2300	1750	850	2000	50K x 4 + 25K x 4
LVAS-T	400	1950	850	2300	1950	850	2000	50K x 8
LVAS-T	500	1950	850	2300	1950	850	2000	100K x 2 + 50K x 6
LVAS-T	600	2300	850	2300	2550	850	2000	100K x 4 + 50K x 4
LVAS-T	700	2550	850	2300	2550	850	2000	100K x 6 + 50K x 2
LVAS-T	800	2550	850	2300	2550	850	2000	100K x 8
LVAS-T	900	2750	850	2300	2750	850	2000	100K x 8 + 50K x 2
LVAS-T	1000	2750	850	2300	3200	850	2000	100K x 10

Note: Panel size & dimensions with kVAR ratings can be designed as per customer requirements.