

# Fixed Capacitor

3Phase & Single Phase 50/60Hz Self-healing Dry PCB free

400V up to 50Kvar

415V up to 50Kvar

440/450V up to 60Kvar

480V up to 60Kvar

525V up to 60Kvar

Large capacity

Innovative temperature protection

High safety & longer service life

Power factor correction

**New**



***Circuit Breaker Control***

***Current range: 6KA or on request***



## The main rates

230 to 1000V 50/60Hz up to 60Kvar

5Kvar, 10Kvar, 12.5Kvar, 15Kvar,  
20Kvar, 25Kvar, 30Kvar,  
40Kvar, 50Kvar, 60Kvar

## Fixed Capacitor

standard-power.com

### Application and features

Automatic power factor correction (PFC) and capacitor banks

Individual solution for fixed power factor correction (e.g. Motor, power transformers, lighting etc.)

Group fixed power factor correction (several equipment connected in a group)

Capacitor banks of tuned and detuned

Harmonic trap applications (e.g. UPS, frequency drives and converters etc.)

Special application such as outdoor mounting, wind power etc.



### Features

#### Electrical

- Highest pulse current withstand capability
- Corona-free
- Very low losses
- Internal discharge resistor
- Long service life

#### Mounting

- Compact volume
- Low weight and low height
- Maintenance-free
- Reduce mounting costs
- Any position mounting

#### Safety

- Dry type design
- Self-healing
- Overpressure and overcurrent tear off
- Non-flammable
- Touch-proof terminals
- One form capacitor case

#### Environment

- No pollution and PCB free
- Friendly manufacture
- Easy disposal and recyclable
- Save energy and reduce CO<sub>2</sub> emission

# Fixed Capacitor

standard-power.com

## Specification

Over voltage	U	Un+10%(up to 8h daily)/Un+15%(up to 30 min daily).Un+30%(up to 1 min)
Over current	I <sub>max</sub>	Min.1.3I <sub>n</sub> (in certain cases higher)
Inrush current	I <sub>s</sub>	≤200 I <sub>n</sub> (other request is available)
Rated frequency	F <sub>n</sub>	50/60Hz
Losses (Dielectric)	tan	≤0.20W/kvar
Capacitance tolerance	C <sub>n</sub>	-5%+5%
Test voltage terminal to terminal	UTT	2.15Un, AC, 10s
Test voltage terminal to case	UTC	Up to Un≤660V:3000VAC, 10s;above Un>660V:6000VAC, 10s
Life expectancy	TLD(CO)	100,000 to 150,000 operating hours
Ambient temperature category	LCT/UCT	-25/D, Max. 55°C, with forced cooling conditions higher ambient temp. on request
Cooling		Naturally air-cooled (of forced air cooling)
Permissible max humidity	H <sub>rel</sub>	95%
Maximum permissible altitude		Normal 1000 m above sea level (Max.3000m)
Mounting position		Normal stand mounting,any position mounting is available on request.
Mounting and grounding		Threaded M12 (or M16) stud on bottom of case
Safety features		Dry technology, overpressure/current disconnecter,self-healing
Discharge resistors		Internal discharge module design included in delivery, (<75V within 3 min)

# Fixed Capacitor

standard-power.com

	Rate Power (Kvar)	Dimensions (mm)				
		L	D	H	L1	L2
440V 50Hz fixed capacitor three phase	5	270	96	370	370	320
	7.5	270	96	370	370	320
	12.5	270	96	370	370	320
	15	270	96	370	370	320
	20	270	96	370	370 <td 370	320
	25	270	96	370	370	320
	30	270	96	370	370	320
	40	366	96	370	370	414
	45	366	96	370	370	414
480V 50Hz fixed capacitor three phase	5	270	96	370	370	320
	7.5	270	96	370	370	320
	10	270	96	370	370	320
	12.5	270	96	370	370	320
	15	270	96	370	370	320
	20	270	96	370	370	320
	25	270	96	370	370	320
	30	366	96	370	370	414
	37.5	366	96	370	370	414
525V 50Hz fixed capacitor three phase	5	270	96	370	370	320
	7.5	270	96	370	370	320
	10	270	96	370	370	320
	12.5	270	96	370	370	320
	15	270	96	370	370	320
	20	270	96	370	370	320
	25	270	96	370	370	320
	30	366	96	370	370	414
	37.5	366	96	370	370	414

