

Power Correction Capacitor



Main Specification:

Standard	IEC60831 ,GB/T12747-2004
ISO approval	ISO 9001 certified(2002)
Rated Voltage Range	From 220-1000 VAC
Connection	3 phase (1 phase on request)
Frequency	50/60 Hz.
Power Range	1- 40 kvar
Dielectric	Metalized polypropylene film with self healing
Protection	IP 42 (IP 54 on request)
Discharge Resistors	Built in automatic discharge resistors included, less than 75 V within 3 minutes after de-energizing the capacitor
Tolerance	±5%
Ambient Temperature	-25 °C--50°C (Other temperature range on request)
	Average temperature within 24 hours below 40°C&average temperature with a year below 30°C
Max. Relative Humidity	≤90%
Maximum permissible Current	130%of rated current
Max. Altitude	≤2000m (Other altitude on request)
Over Voltage Tolerance	1.1 UN (8 hours max. in every 24 hours)
	1.15 UN (30 minutes in every 24 hours)
	1.2 UN (5 minutes in every 24 hours)
	1.3 UN (1 minutes in every 24 hours)
Over Current Tolerance	30% permanently
Dissipation factor of capacitor	Less than 0.1%or 1W/KVAR
Max. Surge Current	200 times of rated current
Dielectric Loss	≤0.2 Watt / Kvar
Voltage Test	Between terminals: 2.15 Un for 10 seconds.
	Between terminals to container: 3000VAC for 10 seconds
Safety System	Self protection device
Case Material	Rust-Proof tinfoil
Execution	Indoor, minimum distance between units : 50mm
Max Inrush current	Rated current x200
Dielectric	Metallic polypropylene film with self mechanism

Description:

1. Self-healing low voltage power capacitor is mounted with discharge resistance and pressure type explosion protection inside, it is safe and reliable.
2. The power capacitor adopt metalized film as medium, has low loss, low temperature rise and excellent self-healing performance.

Feature

- 1.Safety:With over pressure protection device,automatic power disconnection when to the fault or overload;the residual voltage will drop to 75v or lower in 3 minutes after capacitor being disconnected from power source.
2. Full-dry construction:Fine vacuum silicon oil prevention.
- 3.Long-life:Constructed with special composite electrical material and reinforced insulation material,The spoilage is low with tiny loss of capacitor; normally capacity drops 2%in 2 year-long operation.
- 4.Full metal construction:Use special workmanship for processing, high reliability, novel appearance, convenient for installation.

Working conditions:

1. Power capacitor should confirm left voltage reduce to rated voltage 10% to input again after the power was cut off ,normally it will need 200s almost. so it would choose the power controller which has input and reput lock time function after cut off the power. If choose normally power controller, it must install speediness discharge power equipment .it would not limited which use adopting same electric factor input and chip switch.
2. Altitude level is not more than 2000m.
3. Temperature type: -25/C low temperature, highest temperature is C type (it would not more than 50 the average of temperature is not more than 40 within 24 hours, one year average of temperature is not more than 30),power capacitor will work within good ventilate condition. It would not permit within sealing and installation condition