

## ▷ High Voltage Power Capacitor

### \* Application

The capacitors are designed for power factor correction and harmonics filtration in power network. They are all-film dielectric and impregnated with an environmentally friendly, Non-PCB biodegradable insulating oil. In addition each capacitor is provided with an internal discharge resistor. All capacitors comply with most national and international capacitor standards.

Capacitor benefits to

- Improve Power Factor
- Reduce Line Losses
- Decrease Voltage Drop

Through that it helps greater Energy Efficiency.

### \* Product Scope

- Power Range            Single Phase 25kvar to 1000kvar  
                                 Three Phase 50kvar to 500kvar
- Voltage Range        Single Phase 1000V to 22000V  
                                 Three Phase 1000V to 11000V
- Frequency             50Hz / 60Hz
- Applicable Standards IEC, ANSI / IEEE, NEMA



Capacitor Loss [Under stabilized condition]	0.2W/kvar or Less with Internal fuse	
	0.15W/kvar or Less without Internal fuse	
Ambient Temperature	-40°C / A [+40°C], B [+45°C], C [+50°C], D [+55°C]	
Max overvoltage	U <sub>max</sub>	U <sub>n</sub> + 10% [up to 8 hours daily]
		U <sub>n</sub> + 15% [up to 30 minutes daily]
		U <sub>n</sub> + 20% [up to 5 minutes]
		U <sub>n</sub> + 30% [up to 1 minute]
Max overcurrent	I <sub>s</sub>	1.3 × I <sub>n</sub>
Painting Color	Munsell No. 5Y 7/1	
Reference Standard	IEC 60871	

BIL [kV]	Creepage Distance [mm]	Strike Distance [mm]	Total Height [mm]	60Hz Withstand		Weight [kg]
				Dry Test [kV]	Wet Test [kV]	
60	191	109.2	188.1	60	45	0.87
75	191	109.2	188.1	60	45	0.87
95	318	162.6	235.6	70	55	1.23
150	438	193	266.8	80	60	1.75
175	635	223.5	287.9	90	70	2.14
200	720	302.4	388.9	100	80	2.79