




SquareCap PFC Capacitors

- Semi-dry biodegradable resin
- Modular construction
- Triple safety system

Technical Data	SquareCap-ENDC	SquareCap-EHDLL	SquareCap-ESHDC
			
Series Type	B32457L	B32459L	B32455L
Power KVA	1.....50KVA	1.....60KVA	1.....50KVA
Rated Voltage	415....440V	415....600V	415....600V
Frequency	50Hz	50Hz	50Hz
Transient peak current (Maximum permissible)	100 I _R (A)	250 I _R (A)	350 I _R (A)
Temperature Category	-10°C to 55°C	-10°C to 55°C	-10°C to 55°C
Losses(Without discharge Resistor)	≤0.5 W / KVA	≤0.5 W / KVA	≤0.5 W / KVA
Tolerance	0 / +10%	0 / +10%	0 / +10%
Maximum Permissible Voltage	V _R +10%(up to 8 h daily)/ V _R +15% (up to 30 min daily)** V _R +20%(up to 5 min daily)/ V _R +30% (up to 1 min daily)***	V _R +10%(up to 8 h daily)/ V _R +15% (up to 30 min daily)** V _R +20%(up to 5 min daily)/ V _R +30% (up to 1 min daily)***	V _R +10%(up to 8 h daily)/ V _R +15% (up to 30 min daily)** V _R +20%(up to 5 min daily)/ V _R +30% (up to 1 min daily)***
Maximum Permissible Current	Up to 1.3 I _R ***	Up to 1.5 I _R ***	Up to 1.6 I _R ***
Safety	Self-healing, Three phase overpressure disconnecter	Self-healing, Three phase overpressure disconnecter	Self-healing, Three phase overpressure disconnecter
Impregnation	Non-PCB, semi-dry biodegradable resin	Non-PCB, semi-dry biodegradable resin	Non-PCB, semi-dry biodegradable resin
Life Expectancy	Up to 100,000 h	Up to 125,000 h	Up to 150,000 h
Cooling	Natural or forced	Natural or forced	Natural or forced
Case/Shape	Rectangular / powder coated grey colour	Rectangular / powder coated grey colour	Rectangular / powder coated grey colour
Terminal	Threaded stud terminals with ceramic bushing	Threaded stud terminals with ceramic bushing	Threaded stud terminals with ceramic bushing
Mounting and Grounding	Self standing with mounting plates and screws for grounding	Self standing with mounting plates and screws for grounding	Self standing with mounting plates and screws for grounding
Enclosure	IP20, indoor mounting	IP20, indoor mounting	IP20, indoor mounting
Discharge Resistor	Inbuilt	Inbuilt	Inbuilt
Connection	Delta	Delta	Delta
Dielectric	Polypropylene film (metallised)	Polypropylene film (metallised)	Polypropylene film (metallised)
No. of switching per annum	Max. 5000 switching	Max. 5000 switching	Max. 7500 switching
Reference Standard	IS:13340	IS:13340	IS:13340
Application	Automatic PFC equipment, capacitor banks	Automatic PFC equipment, capacitor banks	Automatic PFC equipment, capacitor banks
	Individual fixed PFC (ex. motors, transformers, lighting)	Individual fixed PFC (ex. motors, transformers, lighting)	Individual fixed PFC (ex. motors, transformers, lighting)
	Group fixed PFC	Group fixed PFC	Group fixed PFC
	Detuned capacitor banks	Detuned capacitor banks	Detuned capacitor banks
	Filter applications	Filter applications	Filter applications
	Dynamic PFC	Dynamic PFC	Dynamic PFC

** V_R rated voltage

*** I_R : RMS line current that occurs at rated sinusoidal voltage and rated frequency, excluding transients.

Note : for capacitors with different features/parameters than above, please check with our nearest sales office