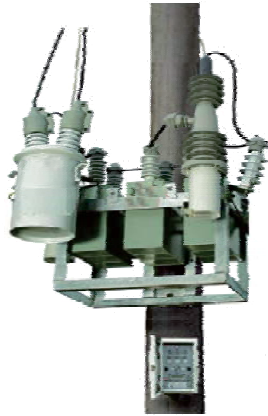


SPGL Medium Voltage Pole Mounting Capacitor Banks



The series SPGLbTBB(p) Pole mounting Capacitor Banks are especially designed to compensate the reactive energy in power networks outdoor, like pole mounting for the normal load or with harmonics content. Permit the suitable using networks up to 24KV ungrounded (and 36KV grounded).

The unit of the capacitor bank consist of three numbers of single phase power capacitors and is assembled to form a star connection, each rated capacity of capacitor unit and bank comply with standard specifications.

The capacity banks are suitable for continuous operation under the climatic conditions that have stipulated in IEC of this specification.

The capacitor banks consist of a capacitor bank and accessories mounted on a bracket which suitable for mounting on a wooden pole, concrete pole or steel tower of the existing feeders.

Earthing facilities provided on the steel structure/mounting brackets for effectively bonding the power capacitor bank and relevant accessories to the structure/ bracket as well as for the earthing lead.

A detail drawing of mounting arrangements will furnished with the offer.

Features

- Outdoor / IP54 mounting
- Protection of voltage and current
- Internal fuse capacitor unit
- Automatic vacuum switchgear switching
- Automatic step are available on request

Components

The capacity banks shall consist of following components.

- 3 pieces of naturally cooled single phase static type shunt power capacitor units internal fuse or fuseless type
- Amounting bracket to accommodate 3 pieces of capacitor units on single wooden pole or concrete pole
- Other necessary components

Specification

Nominal Voltage (Line to Ground/Line to Line)	6.35/11kV	13.8/24kV	20.8/(35)36kV
System Highest Voltage	12kV	24kV	(35)36kV
Power Rates in Kvar of Capacitor Bank	100/3000Kvar 3phase		
Number of Phases	3		
Number of Capacitor Units	3		
Rated Frequency	50Hz /60Hz		
Tolerance of Capacitance of Capacitor Bank	0% /+10%.		
Lightning Impulse Withstand Voltage	75kV	150kV	170kV
Power Frequency Short Duration Withstand Voltage	28kV	50kV	70kV
Connection of The Bank	Star (Neutral point unearthed)		
Operation Place	Outdoor		
Capacitor Unit	All film, Non-PCB, loss<0.25W/Kvar or less		
Control Switch	Vacuum switchgear or oil switch		
Mounting Frame	Galvanized steel		
Temperature Range Symbol	Accordance with table 1 of IEC 60871-1		
Multi-Step Control	Automatic step control are available on request		

Rates of SPGL Medium Voltage Pole Mounting Capacitor Banks(6~24Kv,3 phase,50/60Hz)

Kvar	Voltage	Capacitors(kvar)	A	B	C	D	E	H1	H2	H3	Order No.	
150	6-24Kv	3 x 50	according to the customer's request									SPGLbTBB(p)(6-24)-150-3
300	"	3 x 100									SPGLbTBB(p)(6-24)-300-3	
450	"	3 x 150									SPGLbTBB(p)(6-24)-450-3	
600	"	3 x 200									SPGLbTBB(p)(6-24)-600-3	
900	"	3 x 300									SPGLbTBB(p)(6-24)-900-3	
1200	"	3 x 400									SPGLbTBB(p)(6-24)-1200-3	
1500	"	3 x 500									SPGLbTBB(p)(6-24)-1500-3	
Other rates are available on request												