

> COMPANY PROFILE

Samwha Capacitor Co., Ltd. Since its establishment in 1956, has been recognized as one of the leading companies in the area of Power Capacitors and Capacitor Bank for electrical system. We have many years of experience and expertise about Power Capacitor business and supply Power Capacitors and Capacitor Bank for a vast range of applications and with a scope of supplying varying from individual equipments delivery to complete projects.

> PRODUCTS

> POWER CAPACITOR

• HIGH VOLTAGE POWER CAPACITOR

- 3Phase Capacitor
- 1Phase Capacitor
- Internal fuse type Capacitor
- NCS type Power Capacitor

• LOW VOLTAGE POWER CAPACITOR

- Dry
- Oil Type

High & Low Voltage Capacitors are designed and manufactured by using latest technology and qualified materials.

Each Capacitor is provided with an internal discharge resistor. All Capacitors have low losses, and are constructed to be light and weight

The High & Low Voltage Power Capacitors comply with most national and international Capacitor standards.

> POWER CAPACITOR BANK SYSTEM

- Open Rack Type Bank
- Cubicle (Metal Enclosed) Type Bank
- Pole Mounted Bank
- APFCR (Automatic Power Factor Control Relay) Type
- Harmonic Filter Bank
- SVC(Static Var Compensator)

Capacitor Banks are mainly installed to provide capacitive reactive compensation, power factor correction and control the level of voltage supplied by reducing or eliminating the voltage drop in the system caused by inductive reactive loads. Capacitor Banks are relatively inexpensive and can be easily installed with all accessories anywhere on the network for operation.



SAMWHA



Creative Technology Provider

> CERTIFICATE

CESI TYPE TEST (Italy) | FGH TYPE TEST (Germany) | GB Certificate (China) | ISO 9001, ISO 14001
IEH TYPE TEST REPORTS for DC Capacitors (Germany)



• Mould Case Circuit Breakers

- Frame Size(AF)
- 2,3 and 4 pole series up to 800AF



• Earth Leakage Circuit Breakers

- Frame Size(AF)
- 2,3 and 4 pole series up to 400AF



• Magnetic Contactors

- Easy read coil ratings
- Fast, Simple coil replacement
- Simple contact inspection and maintenance



• Thermal Overload Relays

- With operating indication
- Automatic compensation for ambient temperature
- One touch selection of manual or automatic reset
- TJ-18N, T-35-TJ125 and TJ-400N can be used independently

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Low Voltage Power Capacitor

① Oil Type

> Application

Capacitors are intended for the improvement of Power Factor in low voltage power networks. Used advanced technology consists of metallized PP film with extremely low loss factor and dielectric system is self-healing.

The dielectric system is self-healing and biodegradable and environmentally friendly.

The capacitors have overpressure protection to disconnect it from the supply in the event of internal failure and at the end of its operational life.

The construction described above and the use of high quality materials ensure reliability and longevity.

- Capacitor benefits to
- Improve Power Factor
 - Reduce Line Losses
 - Decrease Voltage Drop

Through that it helps greater **Energy Efficiency**

② Dry Type

> Application

Capacitors are intended for the improvement of Power Factor in low voltage power networks.

Used advanced technology consists of metallized PP film with extremely low loss factor.

The dielectric system is self-healing and has no liquid impregnant.

The capacitor is enclosed in cylindrical aluminium cases.

The capacitors have overpressure protection to disconnect it from the supply in the event of internal failure and at the end of its operational life.

The construction described above and the use of high quality materials ensure reliability and longevity.

> Product Scope

- **Power Range** 0.2kvar to 150kvar
- **Voltage Range** 220V to 1000V
- **Frequency** 50Hz / 60Hz
- **Applicable Standards** IEC, AISI / IEEE, NEMA

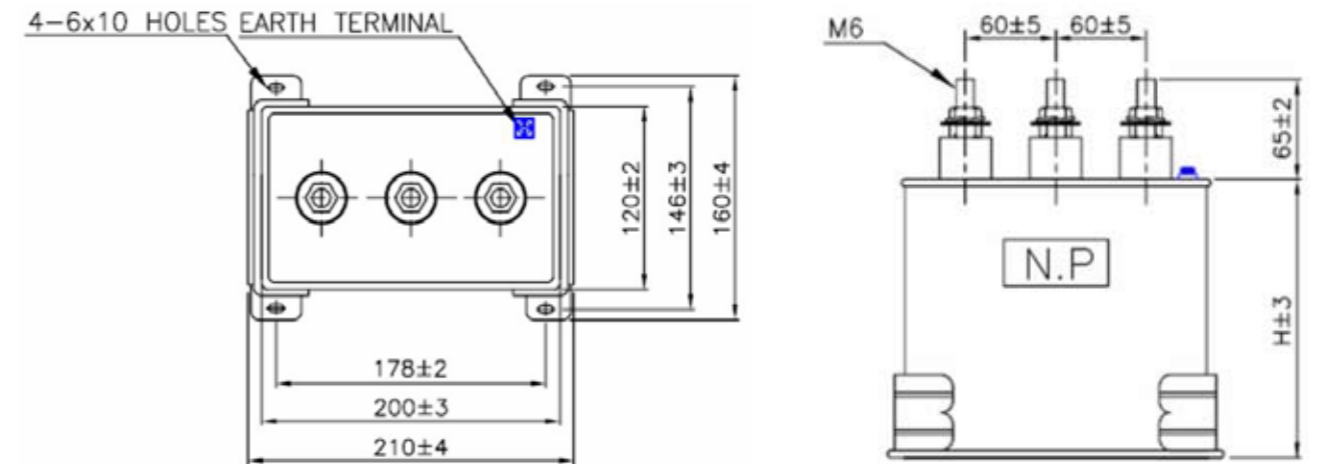


> Technical Data

Location	Indoor	
Capacitor Loss [Under stabilized Condition]	0.5W/kvar	
Ambient Temperature	-25°C / A [+40°C], B [+45°C], C [+50°C], D [+55°C]	
Max overvoltage	U _{max}	U _N + 10% [up to 8 hours daily]
		U _N + 15% [up to 30 minutes daily]
		U _N + 20% [up to 5 minutes]
		U _N + 30% [up to 1 minute]
Max overcurrent	I _s	1.3 × I _N
Painting Color	Munsell No. 5Y 7/1	
Reference Standard	IEC 60831-1	

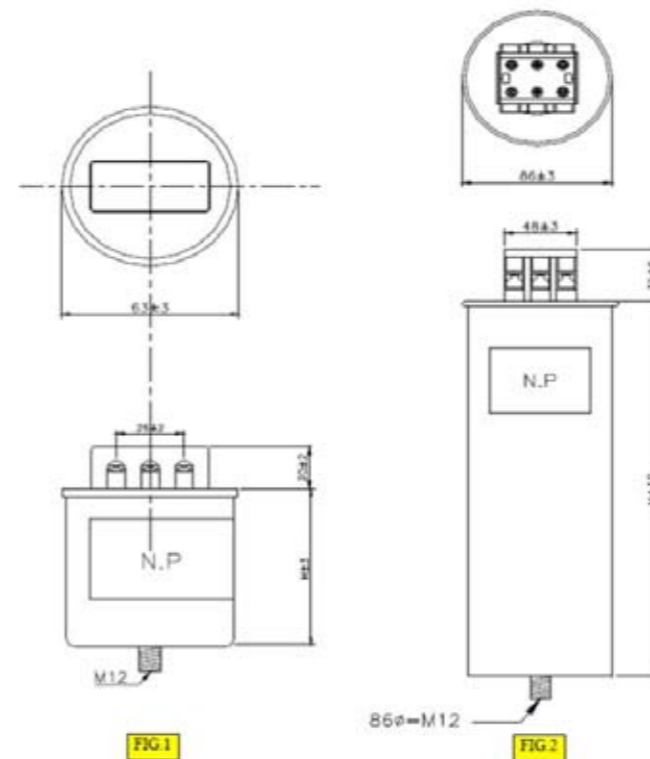
Low Voltage Power Capacitor

> 400V 50Hz 3Phase Capacitor oil type



No.	Model	PART NO.	H
1	415VAC 3P 50Hz 20kvar	SMB-45020KT	170
2	415VAC 3P 50Hz 25kvar	SMB-45025KT	180
3	415VAC 3P 50Hz 30kvar	SMB-45030KT	220
4	415VAC 3P 50Hz 35kvar	SMB-45035KT	230
5	415VAC 3P 50Hz 40kvar	SMB-45040KT	280
6	415VAC 3P 50Hz 50kvar	SMB-45050KT	310
7	415VAC 3P 50Hz 60kvar	SMB-45060KT	360

> 400V 50Hz 3Phase Capacitor oil type



No.	Model	PART NO.	H	Remark
1	415V 3P 50Hz 2.5kvar	RMC-415025KT	135	FIG 1
2	415V 3P 50Hz 5kvar	RMC-415050KT	165	FIG 1
3	415V 3P 50Hz 7.5kvar	RMC-415075KT	170	FIG 2
4	415V 3P 50Hz 10kvar	RMC-415100KT	230	FIG 2
5	415V 3P 50Hz 12.5kvar	RMC-415125KT	230	FIG 2
6	415V 3P 50Hz 15kvar	RMC-415150KT	275	FIG 2
7	415V 3P 50Hz 20kvar	RMC-415200KT	350	FIG 2
8	415V 3P 50Hz 25kvar	RMC-415250KT	350	FIG 2