

SGMDH Series

MV DC Link / Filter Capacitor (Dry Type)

Samgor's DC Link / Filter Capacitor—serves as core energy storage filter for 1.2–4kV power conversion. Mounted on the DC bus between rectifier and inverter, it stabilizes voltage, suppresses ripple and buffers energy for IGBT and SiC semiconductors. With metallized polypropylene film and dry epoxy aluminum housing, it features high voltage resistance, low loss, self-healing property and long life for Inverter / Converter Module converters, SST and SVG equipment.



KEY ADVANTAGES

- ▶ Dry Type
- ▶ Self-healing
- ▶ Polyurethane
- ▶ Low Dielectric Loss
- ▶ Excellent Temperature Rise Performance(<10K)
- ▶ High Voltage Redundancy
- ▶ Low Internal Inductance

Application

- ▶ Inverter / Converter Module
- ▶ SST (Solid-State Transformer)
- ▶ STATCOM / SVG devices

Technical Data

Capacitance Range:

Up to 7.4mF



Current(I_{rms}):	Up to 800A
Rated Voltage Range:	Up to 4000V (DC)
Self-inductance(L_s):	<75 nH (at 1 MHz)
Dielectric loss:	<8×10 ⁻⁴
Insulation Level:	Up to 6000 V _{ac}
Safety system:	Self healing technology Fuse segmentation
Running time:	Continuous Running
Filling Material:	Polyurethane
Casing Material:	Aluminum / Stainless Steel

Environmental

Temperature:	From -20℃ to 60℃
Placement:	Indoor

Standard

IEC 61071:2025 GB/T 17702-2021

Contact us

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