

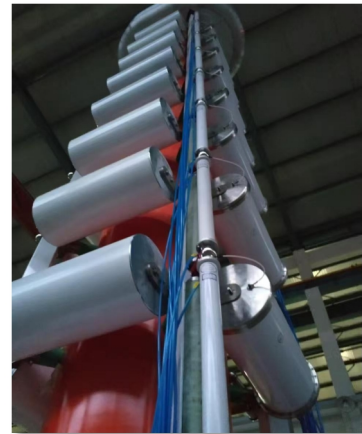
SGIC Series Impulse Capacitors (Dry Type)

Samgor's Impulse Capacitor— are energy storage components specially engineered for short-duration, high-power pulsed discharge. Which can undergo charging over a relatively long period, then instantaneously release the vast majority of stored energy within microsecond or millisecond timescales, producing intense surge current and pulsed power.



KEY ADVANTAGES

- ▶ Dry Type
- ▶ Polyurethane
- ▶ Low Inductance
- ▶ Wide Operating Temperature Range
- ▶ High Peak Current



Application

- ▶ Impulse Current Generator
- ▶ Square Wave Current Generator
- ▶ Pulse Power System
- ▶ Cable Fault Location System
- ▶ Impulse Voltage Generator
- ▶ New Energy & Flexible Grid High-Voltage Equipment
- ▶ Fusion Generator



Technical Data

Rated Capacitance Range:	1-200 μ F
Rated Voltage Range:	10-200kV
Dielectric Loss:	$<2 \times 10^{-3}$
Rated Inductance:	30nH-200nH (According to customer's specific)
Rated Peak Discharge Current (I_{peak}):	Up to 200kA
Operating Life:	Up to 100000 times @Rated Current
Filling Material:	Polyurethane
Case Material:	Aluminum / Stainless Steel / FR4

Environmental

Temperature:	From -20°C to 60°C
Placement:	Indoor / Outdoor

Standard

IEC 61071:2017 JB/T 8168-2023

Contact us

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