

PART ONE

IMPULSE VOLTAGE TEST SYSTEM

01



▲ 2800kV 280kJ ▲ 1600kV 45kJ for insulator testing

300kV 30kJ ▶

400kV 40kJ ▶



Introduction

Impulse voltage test system can be used to generate lightning impulse ($1.2 \pm 30\% / 50 \pm 20\% \mu s$), LI ($T1: 1 \sim 5 \mu s$, $T2: 40 \sim 60 \mu s$) for cable testing, chopped lightning impulse (chopped time between $2 \sim 5 \mu s$ to test power transformers, instrument / voltage transformers and bushings), switching impulse ($250 \pm 20\% / 2500 \pm 60\% \mu s$) and steep front waveforms (to test glass insulator, composite insulators or ceramic insulators).

Technical Parameters

Model No.	Rated Voltage (kV)	Impulse Energy (kJ)	Impulse Capacitance (μF)	Stage Voltage kV	Stage Number
SIVG300/15	300	15	0.333	100	3
SIVG300/30	300	30	0.667	100	3
SIVG400/40	400	40	0.5	100	4
SIVG400/20	400	20	0.25	100	4
SIVG600/30	600	30	0.166	100	6
SIVG800/40	800	40	0.125	100	8
SIVG900/50	900	50	0.125	150	6
SIVG900/67.5	900	67.5	0.167	150	6
SIVG1200/45	1200	45	0.0625	150	8
SIVG1200/90	1200	90	0.125	150	8
SIVG1600/80	1600	80	0.0625	200	8
SIVG1800/90	1800	90	0.0556	200	9
SIVG2400/240	2400	240	0.0833	200	12
SIVG2800/280	2800	280	0.0174	200	14
SIVG3000/300	3000	300	0.067	200	15
SIVG3600/180	3600	180	0.0278	200	18
SIVG4800/360	4800	360	0.03125	200	24