

**PART ONE**

IMPULSE VOLTAGE TEST SYSTEM

01



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

300kV 30kJ ▶

400kV 40kJ ▶



▲ 1200kV 90kJ

**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 ( $\mu F$ )	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