

HV Generators		HEX 940 S	HEX 940 S	STH 35/3	STH 35/7,5	TI 60	TI 85	TI 100	GE 7P	GE 8P	GE 9P	GE 10P	GE 32P	GE 101	GE 500	GE 600
Technical data														GE 61P		EG/100
Total unit																
input voltage	V	0-24	0-24	0-230	0-230	0-230	0-230	0-230	24	24	24	12/24/36	24	36	230 / 50Hz	230 / 50Hz
input current	A	?	?	?	?	?	?	?	0,5	0,5	0,5	1,2/0,7/0,4	1,6	2,7	2,5	2,5
max output voltage	kV	60 kV	90 kV	35	35	60	85	100	100	100	100	90	100	100	140	100
max output current	mA	0,2	0,2	3	7,5	0,5	0,3	0,2	0,1	0,1	0,1	0,2	0,4	0,8	3,5	5,5
max output power	W	10	10	50	80	15	12	10	7	7	7	12	27	80	490	550
stabilization (U)		w/o stab.	w/o stab.	w/o stab.	w/o stab.	w/o stab.	w/o stab.	w/o stab.	w/o stab.	w/o stab.	w/o stab.	stabilized with control electronics				
limit overcurrent		shutoff / limit		no protection	no protection	no protection	no protection	no protection	yes	yes	yes	yes	yes	yes	yes	yes
limit overvoltage		no	no	no	no	no	no	no	yes (input voltage)			yes ((output voltage shutoff))				
protective component included	Mohm/Henry	yes (R)	yes (R)	yes (L)	yes (L)	yes (R)	yes (R)	yes (R)	yes (R)	yes (R)	yes (R)	yes (R)	yes (R)	yes (R)	yes (R)	yes (R)
dimensions	cm									50 Øx450		70 Øx415				
weight	kg									0,4		2,85				
Cascade																
integrated									integrated capacitors					single C windings		
design type		cuboid	cuboid	cylinder	cylinder				metal / paper capacitors							
cascade steps		10	10	2	2	4	5	6	26	26	26	24	24	26	18	14
insulation material		Polyesther	Epoxy	oil	oil	oil	oil	oil	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy
Transformer unit									TE A	TE A	TE A					
integrated		external transformer unit		no transformer unit		no transformer unit			yes	yes	yes	yes	yes	yes	yes	yes
insulation material		polyesther										Polyesther		PU	Vaseline	
Transformer				ja	ja											
integrated				integrated with cascade		integrated with cascade										
type		auto oscillator														
operating frequency	kHz	5 kHz	5 kHz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	18	18	18	30	28	28	25	25
primary voltage	V AC	24	24	230	230	230	230	230					24 V AC	36 V AC		
secondary voltage	kV	4,3	6,4	11,5		11,5			3,5	3,5	3,5	3,3	3,8	3,6	6,1	6,1
kernel material		ferrite		cutoff		cutoff			ferrite		ferrite		ferrite		ferrite	
kernel type		U kernel		rectangular		rectangular			coat	coat	coat	coat	coat	coat	coat	coat
insulation material									Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy
Generator control											integrated		integrated		integrated	integrated
Power unit											optional		optional		integrated	integrated
Switch		w/o sw.	w/o sw.	with sw.	with sw.	w/o sw.	w/o sw.	w/o sw.								
Control/Display unit															optional	optional
function		generation of high DC voltage														
description		high voltage cascade including transformer unit														
details, specials		negative high voltage (positive on request)														