



GAMMA

High Voltage Line Operated Power Source

SERIES ES

60 Models Covering the range of 0-5 KV to 0-100 KV 5 Watts to 60 Watts

FEATURES:

- Low Cost
- Small Size
- Low stored energy
- Arc over & short circuit protected

APPLICATIONS:

- Electrostatic Precipitators
- Electrostatic Spinning
- Electro Chemical Processes
- Insulation Testing



Standard Model

Dual Digital Meters
Read Output
Voltage
and Current

Digital Interface
Options Available:
RS232, USB, RS485
and Ethernet. Gamma
HV software and Lab-
View driver Included.



Optional
Dual Analog Meters
Read Output Voltage and
Output Current

MODEL GUIDE

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT					
		60 Watt	50 Watt	30 Watt	20 Watt	10 Watt	5 Watt
ES5	0 to 5KV	12mA	10mA	6mA	4mA	2mA	1mA
ES10	0 to 10KV	6mA	5mA	3mA	2mA	1mA	500uA
ES15	0 to 15KV	4mA	3.3mA	2mA	1.33mA	600uA	333uA
ES20	0 to 20KV	3mA	2.5mA	1.5mA	1mA	500uA	250uA
ES30	0 to 30KV	2mA	1.66mA	1mA	660uA	350uA	166uA
ES40	0 to 40KV	1.5mA	1.25mA	750uA	500uA	250uA	125uA
ES50	0 to 50KV	1.2mA	1mA	600uA	400uA	200uA	100uA
ES60	0 to 60KV	1mA	833uA	500uA	330uA	166uA	85uA
ES75	0 to 75KV	800uA	660uA	400uA	266uA	133uA	66uA
ES100	0 to 100KV	600uA	500uA	300uA	200uA	100uA	50uA

DESCRIPTION:

The Gamma "ES" series provides a portable High Voltage Source of power for scientific and industrial applications, with power levels to 60 watts and voltage levels to 100KV. The 100KV Supply weighs less than 15 lbs., making it ideally suited for portable laboratory applications

All units are available in Positive or Negative polarity. Add P or N as suffix to Model to indicate polarity desired. Indicate desired output power by adding either -5W, -10W, -20W, -30W, -50W, -60W to the end of the complete model



GAMMA HIGH VOLTAGE RESEARCH INC.

Designers/Manufacturers-High Voltage Power Supplies

1096 N U.S. #1, ORMOND BEACH, FL 32174 * TEL. 386-677-7070, url: gammahighvoltage.com



GAMMA

SERIES ES

ELECTRICAL CHARACTERISTICS

Input Voltage:	90-240VAC; 50-60hZ
Output Voltage:	Continuously Adjustable From zero to maximum Output Voltage Rating. Of the Power Supply
Output Current:	See ratings of individual models
Regulation:	.05% for +/- 10% Line Change.
Ripple:	.1% (Models up to and Including 20 Watts) .25% (Models 30 Watts to 60 Watts)
Control:	Front panel mounted 10 turn potentiometer for zero to maximum output voltage.
Output Cable:	Mating Cable Provided Up to and Including 40KV—Alden Type Polyethylene Above 40kV—Coaxial Type
Standard Metering:	Dual Digital Panel Meters provided to read output voltage and output current.
Size:	5" (H) x 8" (W) x 10" (L) * 5" (H) x 14" (W) x 10" (L)*

**case sizes and unit weights are determined by Optional Features included and power rating of the supply.*

OPTIONAL FEATURES

- 1) Output Voltage Monitor (VM)
- 2) Dual Analog Meters (DAM)
- 3) Overload Trip (OL)
- 4) RS232C Interface and LabView driver
- 5) External Program (PRG)

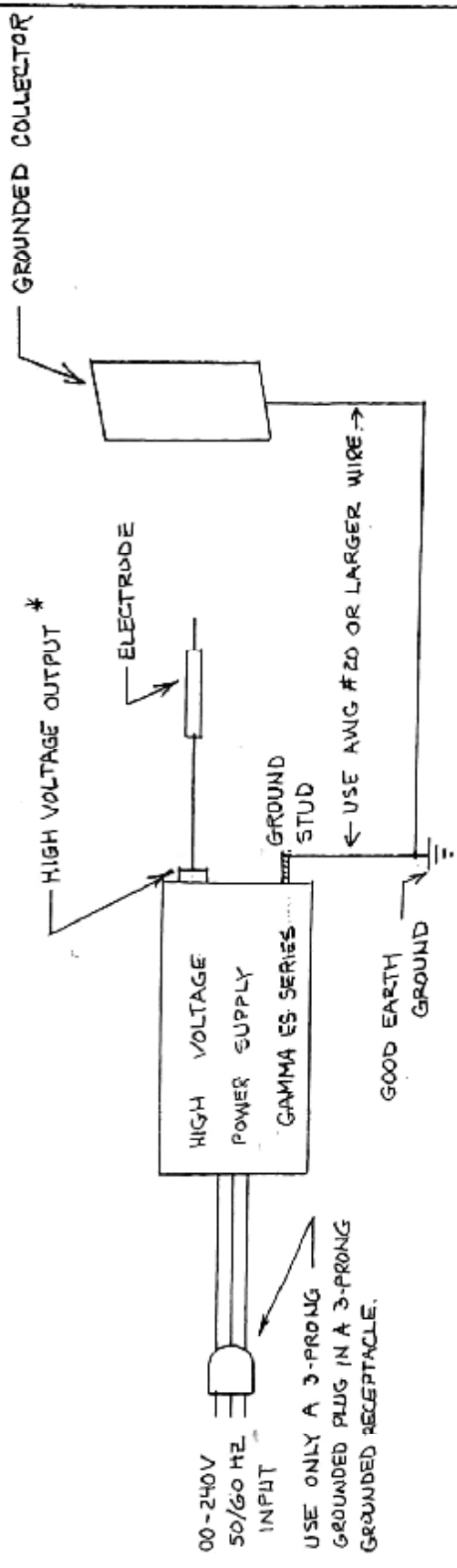
Please note: Dual Output and Reversible Polarity versions of the ES series are also available. Please Consult Factory



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* HV OUTPUT WIRE CAN BE CONNECTED TO ELECTRODE WITH MINI-ALLIGATOR CLIP AVAILABLE FROM RADIO SHACK OR OTHER ELECTRONICS SUPPLY STORE.

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 1094 NO. U.S. HWY #1 ORMOND BEACH, FL 32174

ELECTROSPINNING
 SET - UP

F. SUTTON
 11-29-05

11-205 507-010 REV -