

# High Voltage Power Supply - 250W Series

**HVP050P5000 HVP050N5000**  
**HVP080P3000 HVP080N3000**  
**HVP125P2000 HVP125N2000**

## HVP Series

The HVP series provide 250 watts of output power up to 125kV.

The outputs are fully adjustable from zero to 100% of the maximum rating.

Built-in EMI filtering, safety interlocks, over-voltage/over-current arc protection, short circuit protection, and constant voltage/current operation, are just a few of the standard features in this series.



### Features:

- Voltage programming
- Current programming
- Safety interlock
- Short circuit protection
- NEMA 12 enclosure
- Low ripple

### ELECTRICAL RATINGS

Part Number	$V_{MAX}$	$I_{MAX}$
	kV	mA
HVP050P5000	50	5.0
HVP050N5000	-50	5.0
HVP080P3000	80	3.0
HVP080N3000	-80	3.0
HVP125P2000	125	2.0
HVP125N2000	-125	2.0

### SPECIFICATIONS

#### Input:

- 115 or 230V AC, 50/60 Hz

#### Voltage Regulation:

- Less than .5% of Output Voltage

#### Current Regulation:

- Less than .5% of Output Current at 20% to 100% of Rated Voltage

#### Ripple:

- Less than 1% of Output Voltage

#### Temperature Coefficient:

- 200 ppm/°C

#### Ambient Temperature:

- Operating: 0°C to 50°C
- Storage: -20°C to +70°C

#### Optional HV Cable:

- Dielectric Sciences 2121 (Consult factory)

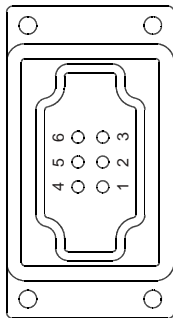
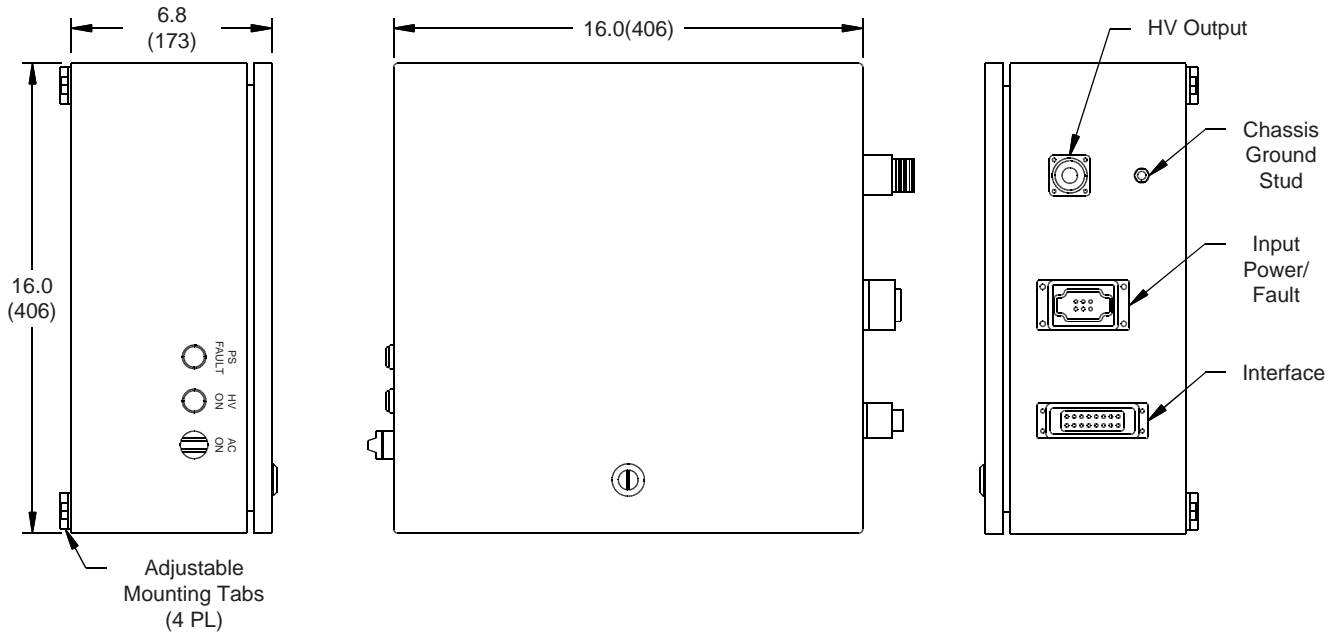
Dimensions: In. (mm) • Data subject to change without notice.



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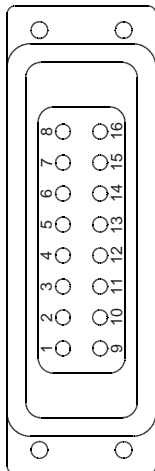
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**Power Input**

## POWER INPUT

PIN #	FUNCTION
1	Ground
2	Neutral
3	Line
4	Fault Out
5	Fault Return
6	N/C



**Interface**

## INTERFACE

PIN #	FUNCTION	PIN #	FUNCTION
1	Interlock Out	9	I Program In
2	Interlock In	10	V Program In
3	+12V	11	I Program Out
4	HV Enable	12	V Program Out
5	Local Enable	13	N/C
6	Common	14	N/C
7	I Monitor	15	N/C
8	V Monitor	16	Shield

\*Consult factory for cable connection options.