

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)

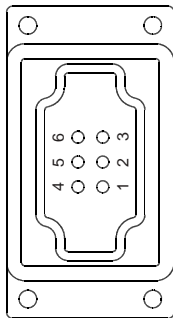
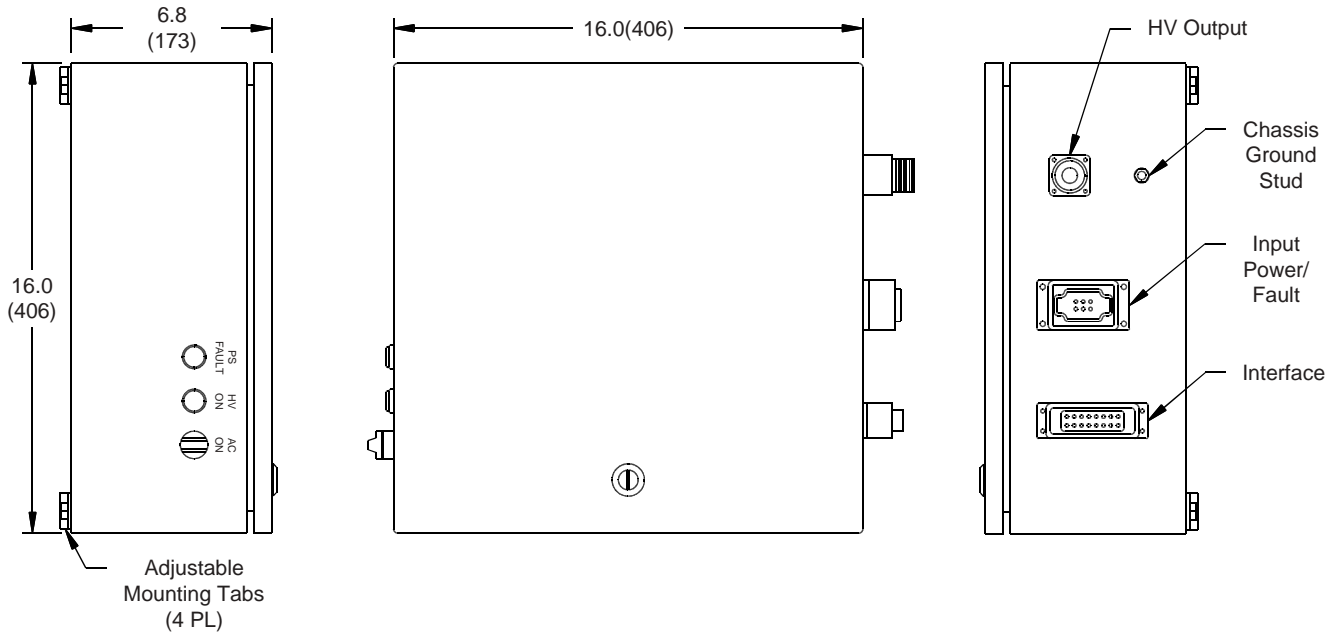
Dimensions: In. (mm) • Data subject to change without notice.



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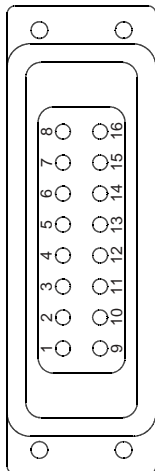
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Power Input

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.