

High Voltage Power Supply-250W Series

HVP050P5000 HVP050N5000
HVP125P2000 HVP125N2000

ELECTRICAL RATINGS

Part Number	V _{MAX}	I _{MAX}
	kV	mA
HVP050P5000	50	5.0
HVP050N5000	-50	5.0
HVP125P2000	125	2.0
HVP125N2000	-125	2.0



Features:

- Voltage programming
- Current programming
- Safety interlock
- Short circuit protection
- NEMA 12 enclosure
- Low ripple
- HDC input and interface

SPECIFICATIONS

Electrical:

Input Voltage:

HVP Series

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:

• Storage Temperature

-20°C to +70°C

• Operating Temperature

0°C to +50°C

Optional HV Cable:

Dielectric Sciences 2121
(Consult factory)

HVP Series

The HVP series power supplies provide up to 250 watts of power in four output versions. Output voltage and current are adjustable up to 100% of maximum ratings. 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.

Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



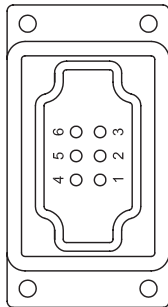
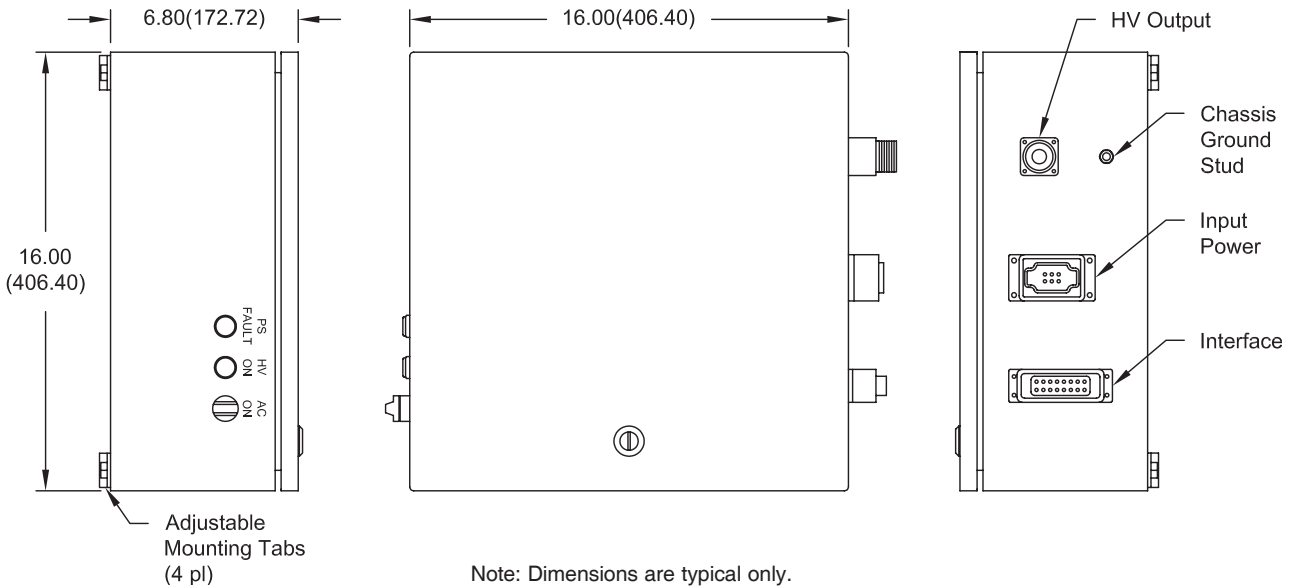
Voltage Multipliers Inc.

8711 W. Roosevelt Ave.
Visalia, CA 93291 USA

Tel: 559.651.1402
Fax: 559.651.0740

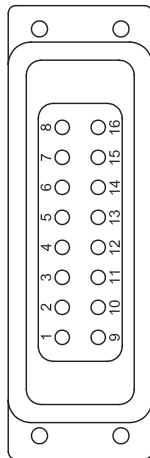
www.voltagemultipliers.com
www.highvoltagepowersupplies.com

HVP050P5000 HVP050N5000 HVP125P2000 HVP125N2000



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.

Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



Voltage Multipliers Inc.

8711 W. Roosevelt Ave.
Visalia, CA 93291 USA

Tel: 559.651.1402
Fax: 559.651.0740

www.voltagemultipliers.com
www.highvoltagepowersupplies.com