

## FEATURES

- Compact size
- Metal can construction
- Surge limited
- Continuous duty rated
- 115 or 220 V input
- Bleed resistors built in
- Hermetically sealed
- Epoxy or oil insulation
- Reversible polarity

## BENEFITS

- Saves valuable space in product package
- Rugged package
- Long life or MTBF
- Doesn't hold charge when power is turned off
- Moisture can't enter high voltage tank
- Input/output easy to connect

## APPLICATIONS

- X-ray systems
- Laser systems
- Precipitators
- Medical equipment
- General purpose HV source

## DESCRIPTION

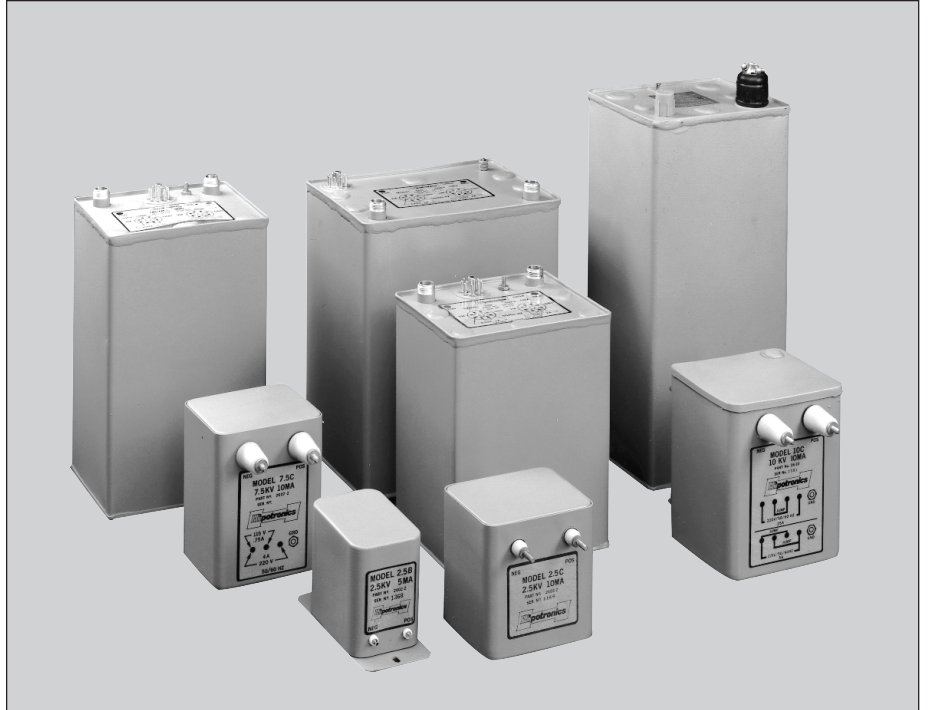
Power Packs are complete high voltage sections designed for OEM use or any application requiring high voltage at low current levels. Controls, metering and circuit protection such as circuit breakers or fuses are not included. A built-in meter multiplier resistor is supplied in the units rated 30 kV and higher where an external voltage divider might cause problems. All power packs are hermetically sealed in oil or epoxy filled metal cans and all feature solid state rectifiers.

These units are designed to supply 2 to 10 mA at high voltage on a continuous basis. They are suitable for use in X-ray systems, laser systems, low power precipitators and as general purpose high voltage DC sources. All units have surge limiting resistors in the output. However, for applications requiring frequent "slap-on", a small series impedance should be used in the input. Consult our Sales Department for these and other special applications.

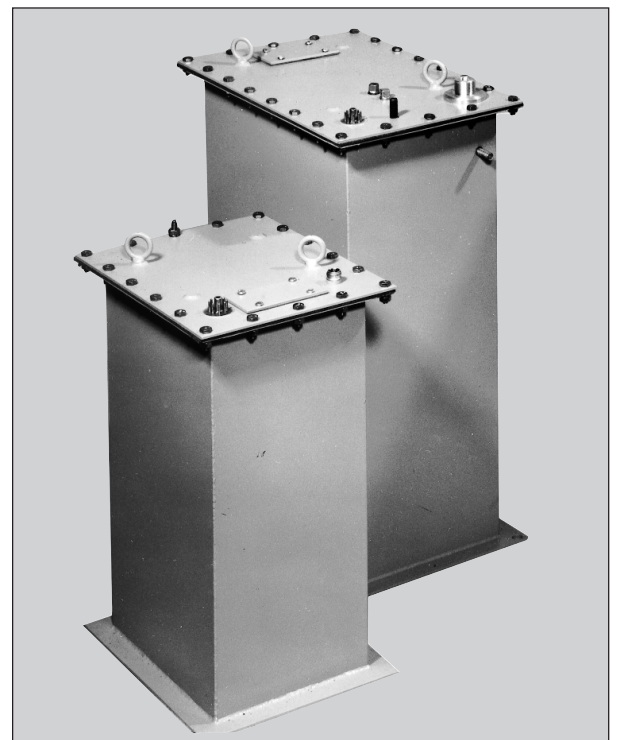


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THE MEASURE OF A LEADER

## DC Power Packs

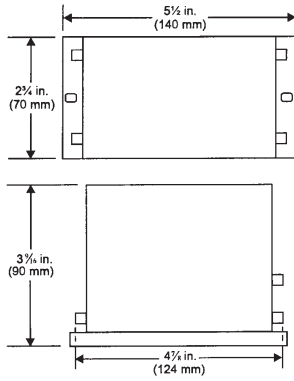


2.5 kV to 60 kV  
Power Packs

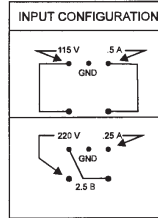


Model 100B, C  
Power Packs

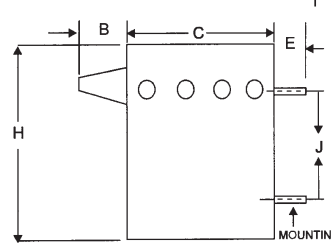
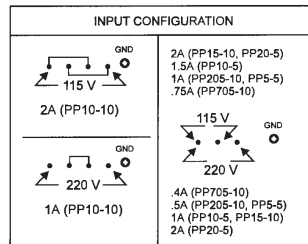
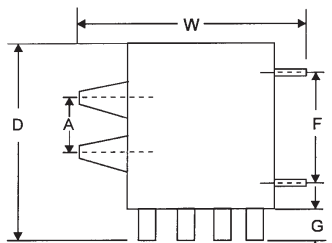
## TYPE A - PP205-5



INPUT TERMINALS: Solder  
 OUTPUT TERMINALS: Solder  
 MOUNTING: Clearholes for #8 screws  
 WEIGHT: 3.25 lb (1.5 kg)



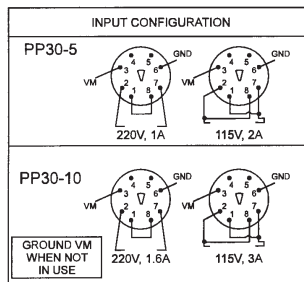
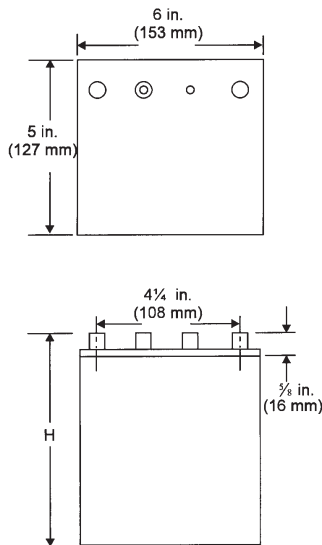
## TYPE B - PP205-10, PP5-5, PP705-10, PP10-5, PP10-10, PP15-10, PP20-5



		PP205-10, PP5-5	PP705-10, PP10-5	PP10-10, PP15-10, PP20-5
D	HEIGHT	H 4 <sup>3</sup> / <sub>8</sub> in. (111 mm)	5 <sup>15</sup> / <sub>16</sub> in. (135 mm)	6 <sup>3</sup> / <sub>16</sub> in. (150 mm)
I	WIDTH	W 4 <sup>13</sup> / <sub>16</sub> in. (122 mm)	5 <sup>3</sup> / <sub>8</sub> in. (137 mm)	6 <sup>1</sup> / <sub>8</sub> in. (156 mm)
M	DEPTH	D 4 <sup>1</sup> / <sub>4</sub> in. (109 mm)	4 <sup>1</sup> / <sub>4</sub> in. (121 mm)	5 <sup>1</sup> / <sub>16</sub> in. (143 mm)
E	A	1 <sup>7</sup> / <sub>8</sub> in. (48 mm)	1 <sup>7</sup> / <sub>8</sub> in. (48 mm)	1 <sup>7</sup> / <sub>8</sub> in. (48 mm)
N	B	1 in. (25 mm)	1 <sup>1</sup> / <sub>2</sub> in. (38 mm)	1 <sup>1</sup> / <sub>2</sub> in. (38 mm)
S	C	3 <sup>15</sup> / <sub>16</sub> in. (85 mm)	3 <sup>3</sup> / <sub>8</sub> in. (87 mm)	4 in. (102 mm)
I	E	1/2 in. (13 mm)	1/2 in. (13 mm)	5/8 in. (16 mm)
O	F	2 1/2 in. (63 mm)	2 1/2 in. (63 mm)	3 1/2 in. (89 mm)
N	G	3/8 in. (10 mm)	3/16 in. (20 mm)	1 in. (25 mm)
S	J	3 1/2 in. (89 mm)	3 1/2 in. (89 mm)	4 in. (102 mm)
	WEIGHT	6 lb. (2.7 kg)	8 lb. (3.6 kg) 7 lb. (3.2 kg)	11.8 lb. (5.4 kg)

INPUT TERMINALS: Solder  
 OUTPUT TERMINALS: Threaded  
 MOUNTING: #8-32 Stud  
 PP205-10, PP5-5, PP705-10, PP10-5, PP10-10, PP15-10, PP20-5: 1/4-20 Stud

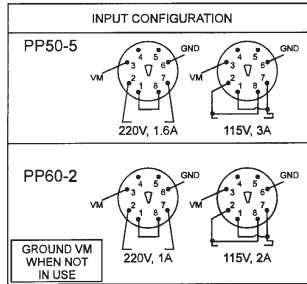
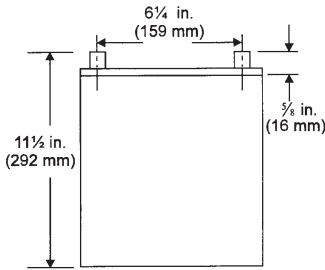
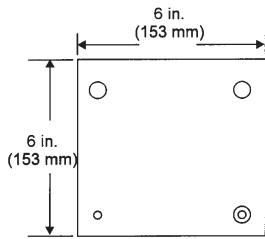
## TYPE D - PP30-5, PP30-10



INPUT TERMINALS: Octal Plug (line socket provided)  
 OUTPUT TERMINALS: Well Bushing (standard 3- and 6-foot cables provided).

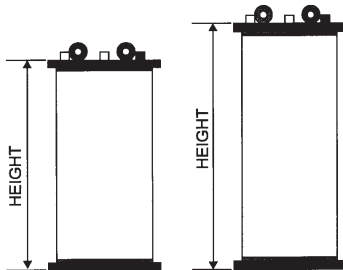
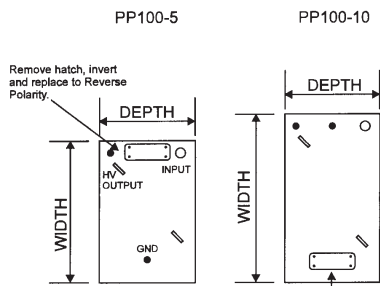
	PP30-5	PP30-10
HEIGHT	9.5 in. (243 mm)	11.5 in. (293 mm)
WEIGHT	15 lb. (6.8 kg)	17.8 lb. (8.1 kg)

# TYPE E - PP50-5, PP60-2

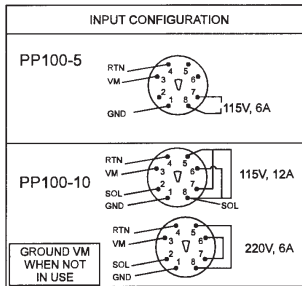


INPUT TERMINALS: Octal Plug (line socket provided)  
 OUTPUT TERMINALS: Well Bushing (standard 3- and 6-foot cables provided).  
 WEIGHT: 30 lb. (13.6 kg)

# PP100-5, PP100-10



INPUT TERMINALS: Octal Plug (line socket provided)  
 OUTPUT TERMINAL: Well Bushing for cable (RG8 for PP100-5, RG34 for PP100-10). 20' cable provided.



**Dimensional and Technical Data**

	PP100-5	PP100-10
<b>Width</b>	11 1/2" (292 mm)	15" (381 mm)
<b>Depth</b>	9" (229 mm)	10" (254 mm)
<b>Height</b>	16" (406 mm)	20 1/2" (521 mm)
<b>Weight</b>	80 lb. (36 kg)	150 lb. (68 kg)
<b>Input</b>		
Voltage	120V, 50/60 Hz	120/220V, 50/60 Hz
Current	See "INPUT CONFIGURATION" for recommended fuse rating.	
<b>Output</b>		
Voltage	100 kV	100 kV
Current	5 mA	10 mA
Regulation	Less than 15 percent	
Ripple	2%	2%
<b>Insulation</b>	Oil Impregnated	
<b>Internal Discharge Provision</b>	Bleed Resistors	Shorting Solenoid
<b>Polarity</b>	Reversible	Reversible

## SPECIFICATIONS

CATALOG NO.		PP205-5	PP205-10	PP5-5	PP705-10	PP10-5	PP10-10	PP15-10
INPUT:	Voltage	120 V 60 Hz/220 V 50 Hz						
	Current	See "Input Configuration" for recommended fuse rating.						
OUTPUT:	Voltage	2.5 kV		5 kV	7.5 kV	10kV		15 kV
	Current	5 mA	10 mA	5 mA	10 mA	5 mA	10 mA	10 mA
	Regulation	Less than 15%						
	Ripple	0.5% per mA of output current						
INSULATION		EPOXY					OIL	
INTERNAL SHORTING		BLEED RESISTORS						
POLARITY		REVERSIBLE						
PACKAGE TYPE		See pages 2 and 3 for input configuration, terminations, mounting, dimensions and weights.						

CATALOG NO.		PP20-5	PP30-5	PP30-10	PP50-5	PP60-2	PP100-5	PP100-10
INPUT:	Voltage	120 V 60 Hz/220 V 50 Hz						
	Current	See "Input Configuration" for recommended fuse rating.						
OUTPUT:	Voltage	20 kV	30 kV		50 kV	60 kV	100kV	
	Current	5 mA	5 mA	10 mA	5 mA	2 mA	5 mA	10 mA
	Regulation	Less than 15%						
	Ripple	0.5% per mA of output current						
INSULATION		OIL						
INTERNAL SHORTING		BLEED RESISTORS						
POLARITY		REVERSIBLE						
PACKAGE TYPE		See pages 2 and 3 for input configuration, terminations, mounting, dimensions and weights.						

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NOTE: Because Hipotronics, Inc. has a policy of continuous product improvement, it reserves the right to change design and specifications without notice.