



### FEATURES

- Metal Case
- Cost Effective
- Reliable Solid State Design
- Maintenance Free
- Automatic recovery, self restoring
- High Frequency Switch-mode Design
- UL Version Available
- RoHS Version Available
- Formerly CS2422 Series

### TYPICAL APPLICATIONS

- Electrostatic Air Cleaners
- Electrostatic Oil Cleaners

### DESCRIPTION

The 2422 series of regulated solid state switching power supplies is designed for applications requiring a medium duty high Voltage power supply. Input is 120 VAC ( $\pm 10\%$ ), 50/60 Hz. Dual output standard (separate ionizer and collector connectors ). Connection for a "HV On" indicating LED is provided.

The 2422 series is packaged in a metal enclosure and may be installed in any position. Custom models are available. Some models are certified UL Recognized. Consult factory for additional information.

**NOTICE: This power supply requires adequate ground connection for operation. Failure to provide ground could result in failure of the power supply. Proper ground connections must be made to #8-32 ground screw on the metal case.**



### TYPICAL ELECTRICAL SPECIFICATIONS FOR A STANDARD MODEL

- Input Voltage: 120 VAC ( $\pm 10\%$ ) 50/60 Hz
- Output Voltage: 10 kVDC
- Output Current: 3.3 mA Max. Operating
- Output Power: 75 W Max
- Output Regulation: See Typical V-I Curve
- Load: May be operated into any load condition (capacitive, resistive or inductive) or no load. Can withstand arcing and short circuits.
- Isolated Output; High Voltage referenced to Earth Ground

### TYPICAL MECHANICAL SPECIFICATIONS

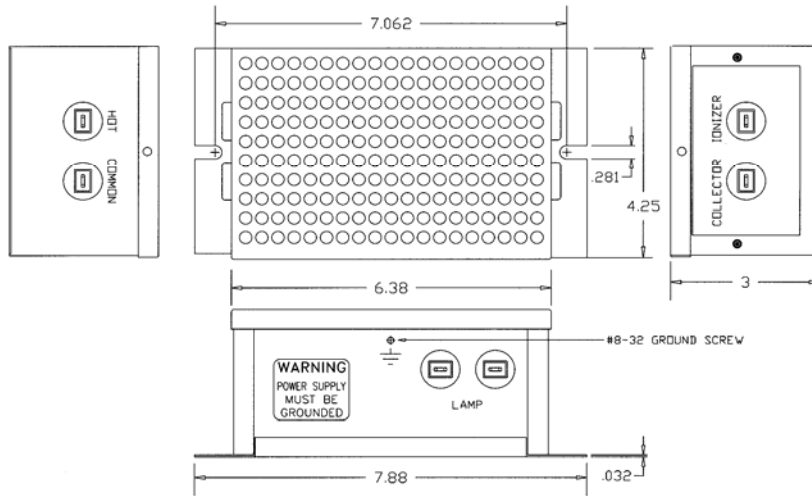
- Case: Metal
- Input Voltage Termination: ¼" black insulated terminals
- "HV On" Indicating Light Termination: ¼" insulated terminals for LED
- High Voltage Termination: ¼" red insulated terminals
- Earth Ground: #8-32 screw
- Temperature Rating:
  - Operating 0° to +60°C
  - Storage -40° to +85°C



## HIGH VOLTAGE POWER SUPPLIES

STANDARD MODELS	INPUT VOLTAGE VAC	INPUT FREQ. Hz	MAX IONIZER VOLTAGE kV DC	MAX COLLECTOR VOLTAGE kV DC	MAX OUTPUT CURRENT mA DC
ACN2422L10	120	50/60	10 kVDC Neg	5.0 kVDC Neg	3.3
ACP2422L10	120	50/60	10 kVDC Pos	5.0 kVDC Pos	3.3

Formerly CS2422 Series



**2422 SERIES TYPICAL PERFORMANCE CHARACTERISTIC**  
**OUTPUT VOLTAGE vs OUTPUT CURRENT**  
Input V = 120 VAC

