

# LHV45/60 Series

45 / 60 Watt High Voltage Power Supply  
1K ~ 30k VDC Output Models

## Product Features:

- 45 or 60 Watt Models
- Fully Encapsulated
- Convection Cooled Operation
- OverCurrent / Short Circuit / Arc Protection
- Constant Voltage, Power and Current until shutdown
- Ideal for Electrostatic Air and Oil Cleaners
- Tolerant of Heavy-Capacity Loads
- Voltage & Current Monitor
- AC OK & DC OK LED Indicator
- Recessed HV Poke Home Output Connector
- Designed to meet UL867



## INPUT SPECIFICATIONS:

VOLTAGE	Auto-Ranging AC Input (90~132 / 180~264 VAC)
FREQUENCY	47-63Hz
INRUSH	70A@230VAC Input Range (Max Cold Start)
CURRENT	1500mA @ 90 VAC (Max Continuous)
LEAKAGE	750uA Max @ 264 VAC
HOLD-UP	20ms @ 115 VAC / ms Minimum (230 VAC & Full Load)
EFFICIENCY	60% Minimum

## OUTPUT SPECIFICATIONS:

ADJUSTMENT RANGE	Set at Factory
MINIMUM LOAD	n/a
LOAD REGULATION	±1% maximum
RIPPLE	15V pk-k max, whichever is greater (20MHz)
OVER CURRENT	115% (Auto-Recovery), Arc Protected

## STATUS & CONTROL SPECIFICATIONS:

CURRENT MONITOR	1V per 1mA output
VOLTAGE MONITOR	1V per 10kV output
INPUT AC OK	LED Indicator
HV ON	LED Indicator

## GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-0 ~ +50°C (Full Load)
STORAGE TEMPERATURE	-30 ~ +85°C
COOLING	Convection Cooled
HUMIDITY	5-95% (non-condensing)
VIBRATION	10-55Hz, 2G, 3Min Period, / 60 min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	>200k Hours

## EMISSIONS:

EMISSIONS	EN55022 Level A (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4kV Contact / 8kV Air
RADITED SUSCEPTIBILITY	EN61000-4-3, 26-1000MHz, 10V/M, 80%AM
EFT / BURSTS	EN61000-4-4, 2kV
SURGES	EN61000-4-5, 2kV Earth, 1kV Line-Line
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3



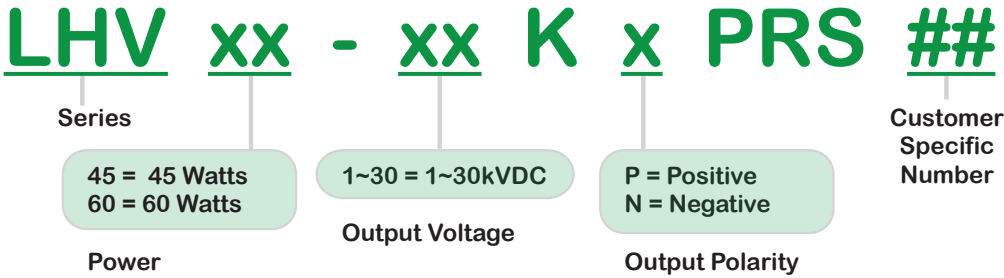
lhvpower.com

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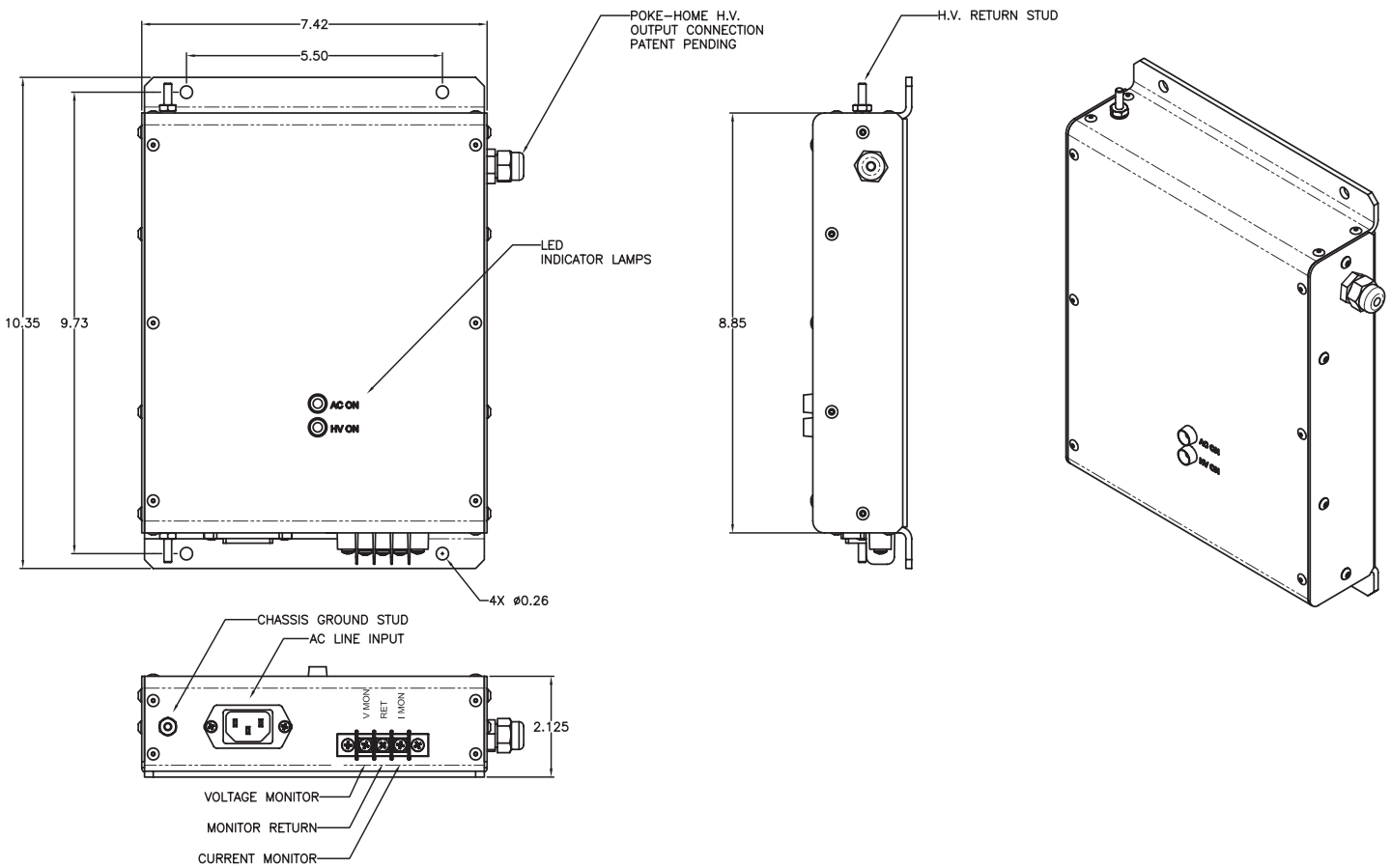
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## Model Selection Guide:



## Outline Drawing:



[lhvpower.com](http://lhvpower.com)