



Low Voltage, High Current AC Power Supply "LV Series"

**Power supply design has been certified to be compliant to Nationally Recognized Standards:
NFPA 791; 2018 & UL 1020.**

FEATURES

Low Profile

SCR Controlled Transformer

100% Duty Cycle

Hand-Held Cable Remote Control,
with Manual Voltage Potentiometer and
Digital Meters

5, 10, 20 & 40 Volt Tap Switch

Silver Plated Switch and Output Terminals

Digital Meter, Secondary Voltage and Current

Soft Start on Power Up

Current Limiting

4-20, 0-5, 10-50 Milliampere & 0-10 Volt
Control Signal Input Capabilities

Emergency Off Button and Interlock
Protection on Access Panel and Door



DESCRIPTION

The "LV Series" is a low voltage, high current AC power supply. The power supply's primary use in the thin film industry is supplying power to resistance (thermal evaporation) sources. The low voltage, high current AC power supplies were designed to meet a growing need for versatility and reliability in the industry.

Units incorporate a hand-held control that allows an operator more freedom to move closer to the viewing port or the monitoring instrumentation. The low voltage, high current tap switch enables voltage range changes without having to relocate bulky cables. The conservative power rating allows the units to run cool, while rugged construction and quality parts make it reliable.

We are specialists in the custom fabrication of Hi-Vacuum evaporation sources with complete and highly flexible refractory capabilities. Our comprehensive catalog is available upon request.

RD Mathis Company

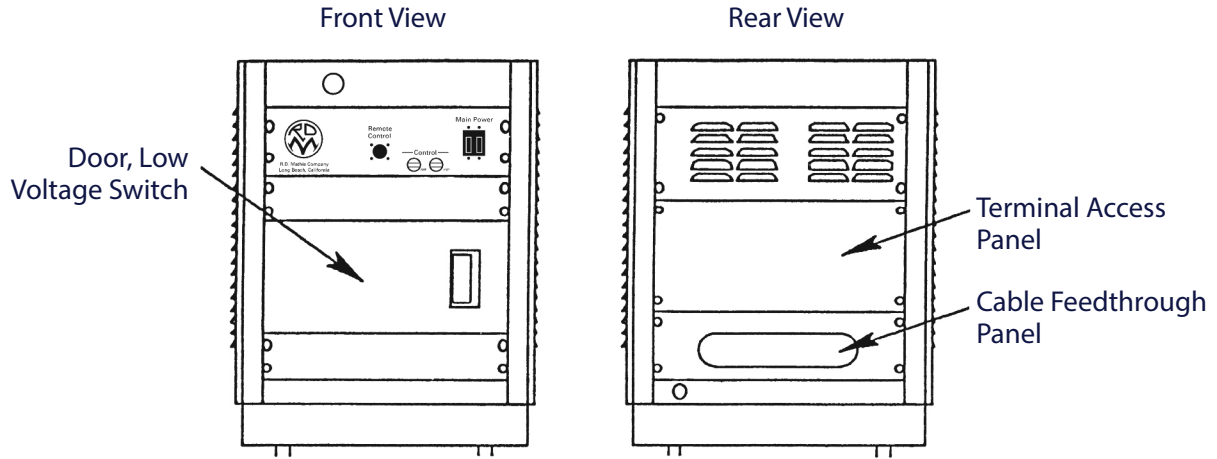
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Low Voltage, High Current AC Power Supply "LV Series"



Model Number:	LV400	LV750
Power Rating:	4 KVA (5.5 KVA Surge)	7.5 KVA (10 KVA Surge)
Power Required:	208/220/240 VAC 1 Phase, 50/60 Hz. 25 Amps	208/220/240 VAC 1 Phase, 50/60 Hz. 45 Amps
Power Output:	0-5 VAC @ 800 Amps 0-10 VAC @ 400 Amps 0-20 VAC @ 200 Amps 0-40 VAC @ 100 Amps	0-5 VAC @ 1500 Amps 0-10 VAC @ 750 Amps 0-20 VAC @ 375 Amps 0-40 VAC @ 188 Amps
Output Terminals:	Silver Plated Copper 3/8" x 2" x 2" with 9/16" dia. hole in center	Silver Plated Copper 1/2" x 3" x 3" with 4 ea. 7/16" dia. holes
Switch:	Silver Plated 4 Position Blade Type with Screw Knob Release	
Dimensions:	24" W x 22.5" D x 30.25" H	24" W x 30.9" D x 30.25" H
Weight:	343 Lbs.	616 Lbs.
Shipping Weight:	400 Lbs. Approx.	700 Lbs. Approx.

ACCESSORIES

250 AMP (4/0 AWG) Welding Cable (Approx. 0.83" O.D.) with Terminal Lugs (1/2" Bolt Hole)
 500 AMP (500 kcmil) Welding Cable (Approx. 1.25" O.D.) with Terminal Lugs (5/8" Bolt Hole)
 Please specify: Cable length in feet and lug sizes when ordering.

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