

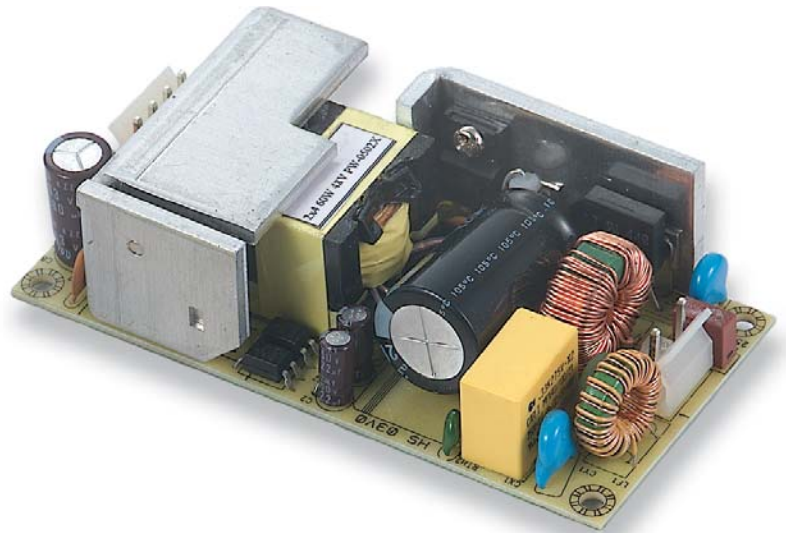
# LVO-60 Series

## 40-60 Watt Open Frame Switching Power Supply Single Outputs ranging from 5~48 VDC



### Product Features:

- Universal AC Input
- Small Industry Standard 2x4" Footprint
- Low Profile for 1U High Applications
- Convection Cooled Operation
- International Safety Approvals



### INPUT SPECIFICATIONS:

VOLTAGE	Universal Input (90-264 VAC)
FREQUENCY	47-63Hz
INRUSH	50A @230VAC Input Range (Max Cold Start)
CURRENT	1.5A @ 90 VAC (Max Continuous)
LEAKAGE	750uA Max @ 264 VAC
HOLD-UP	10ms @ 115 VAC & Full Load
EFFICIENCY	80% Typical (Full Load)

### GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	0 ~ +70°C (Derate 2.5% per °C above 50°C)
STORAGE TEMPERATURE	-40 ~ +85°C
COOLING	Convection
HUMIDITY	20-90% (non-condensing)
VIBRATION	10-55Hz, 2G, 3Min Period, / 60 min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	MTBF demonstrated: >100k hours (full load and 25°C)

### OUTPUT SPECIFICATIONS:

ADJUSTMENT RANGE	Fixed
MINIMUM LOAD	None
REGULATION	See Output Table
RIPPLE	1±% pk-k max (20MHz)
SETPOINT ACCURACY	±1%
OVER CURRENT	<165% of Imax (Auto-Recovery)
OVER VOLTAGE PROTECTION	110~130% of Vnom (recycle input to reset)
SHORT CIRCUIT	Continuous (auto-recovery)

### EMISSIONS:

EMISSIONS	EN55022 Level B / FCC Part 15 Class B
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

### SAFETY STANDARDS:

UL	60950
CSA	22.2 No. 60950
TUV	EN60950
CE MARK	Low Voltage Directive

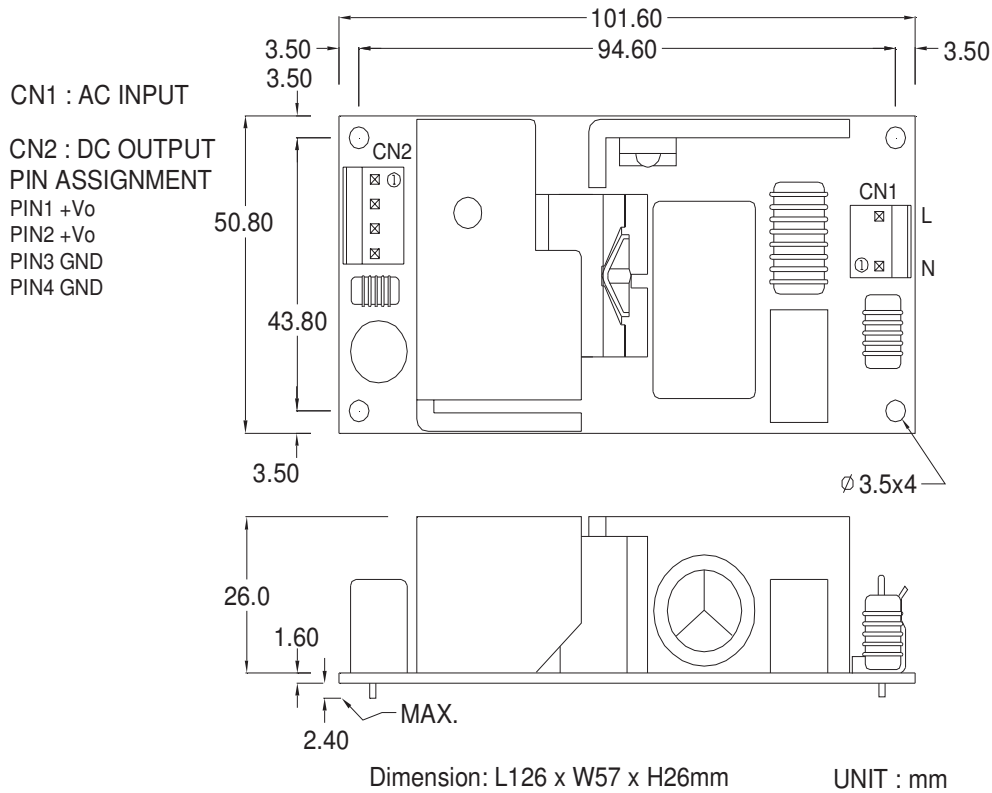


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PART #	OUTPUTS				NOTE
	V1 / A1	V2 / A2	V3 / A3	V4 / A4	
LVO-60-5	5V 8.00A				
LVO-60-12	12V 5.00A				
LVO-60-15	15V 4.00A				
LVO-60-24	24V 2.50A				
LVO-60-36	36V 1.67A				
LVO-60-48	48V 1.25A				



## MATCHING CONNECTORS

CN1 = AC INPUT MOLEX P/N: 09-65-2029 (OR EQUIVALENT)    FEMALE HOUSING MOLEX P/N: 09-76-1020 (OR E  
 CN2 = DC Output MOLEX P/N: 09-65-2048 (OR EQUIVALENT)    FEMALE HOUSING MOLEX P/N: 09-52-4044 (OR E



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