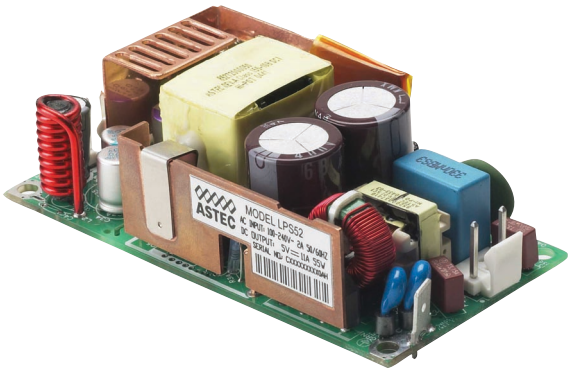
60 Watts
LPS50 Series

Total Power:	**55-60 Watts**
Input Voltage:	**90-264 VAC**
	127-300 VDC
# of Outputs:	**Single**



Special Features

- Universal input
- 2" x 4" footprint
- Remote sense
- Overload and short circuit protection
- Adjustable Output Voltage
- High efficiency
- High MTBF
- Built in EMI filter (CISPR 22 Class B)
- LED power good indicator
- Input power <74 watts
- Complies with EN61000-3-2
- UL Class I approved
- UL Class II available, consult factory

Electrical Specs

Input

Input range	90-264 VAC (wide range) 127-300 VDC
Frequency	47-440 Hz
Inrush current	<60 A peak @ 230 VAC, cold start @ 25°C
Input power	<74 Watts
Efficiency	80-85% typical at full load
EMI RFI	FCC Class B conducted CISPR 22 Class B conducted EN55022 class B conducted VDE 0878 PT3 class B conducted
Safety ground leakage current	<0.5 mA @ 50/60 Hz, 264 VAC input for class I <0.25mA@50/60Hz, 264 VAC input for class II

Output

Maximum power	60 W for convection (LPS52, 55W)
Adjustment range	±20% minimum
Hold-up time	10/20 ms 115/230 VAC Input line
Overload protection	Short circuit protection on all outputs. Case overload protected @ 110-160% of normal rating
Overvoltage protection	30-50% above nominal output
Remote sense	Compensates for 0.5 V lead drop max. Will operate without remote sense connected. Reverse connection protected.

Environmental

Operating temperature: 0° to 50°C ambient derate each output as 2.5% per degree from 50° to 70°C. -20°C start up.

Storage temperature: -40°C to +85°C

Electromagnetic susceptibility:
designed to meetEN61000-4;
-2, -3, -4, -5, -6, -8, -11 Level 3

Humidity: Operating; non-condensing 10% to 95%RH

Vibration: IEC68-2-6 to the levels of IEC721-3-2

MTBF demonstrated: >550,000 hours at full load and 25°C ambient conditions.

Safety

UL	UL 60950-1
CSA	CSA-C22.2 No. 60950-1
NEMKO	IEC/EN60950-1
TUV	EN60950-1
CB	Certificate and report
CE	LVD & EMC
CCC	GB4943

AMERICAS

5810 Van Allen Way
Carlsbad, CA 92008
Telephone: 760-930-4600
Facsimile: 760-930-0698

EUROPE

Astec House, Waterfront Business Park
Merry Hill, Dudley
West Midlands, DY5 1LX, UK
Telephone: 44 (1384) 842-211
Facsimile: 44(1384) 843-355

ASIA

Units 2111-2116, Level 21
Tower1, Metroplaza
223, Hing Fong Road
Kwai Fong, New Territories
Hong Kong
Telephone: 852-2437-9662
Facsimile: 852-2402-4426

Ordering Information

Model Number	*Output Voltage*	*Minimum Load*	*Maximum Load with Convection Cooling*	*Peak Load1*	*Regulation2*	*Ripple P/P (PARD)3*
LPS52	5 V	0 A	11 A	12 A	±2%	50 mV
LPS53	12 V	0 A	5 A	5.4 A	±2%	120 mV
LPS54	15 V	0 A	4 A	4.4 A	±2%	150 mV
LPS55	24 V	0 A	2.5 A	2.75 A	±2%	240 mV
LPS58	48 V	0 A	1.25 A	1.35 A	±2%	480 mV

1. Peak current lasting <15 seconds with a maximum 10% duty cycle.
2. At 25°C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.
3. Peak-to-peak with 20 MHz bandwidth and 10 µF (tantalum capacitor) in parallel with a 0.1 µF capacitor at rated line voltage and load ranges.

Pin Assignments

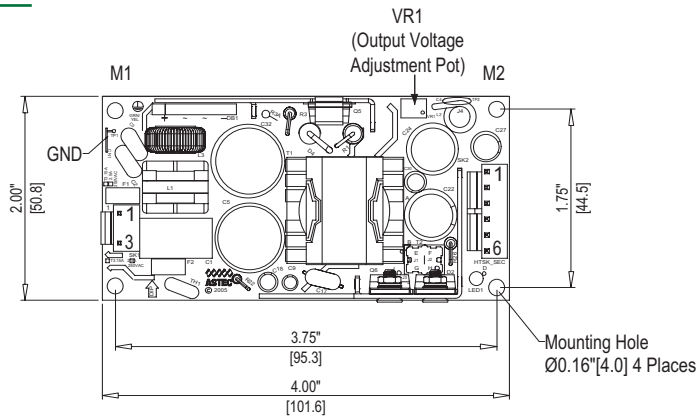
Connector	*LPS52*	*LPS53*	*LPS54*	*LPS55*	*LPS58*
SK1-1	Line	Line	Line	Line	Line
SK1-3	Neutral	Neutral	Neutral	Neutral	Neutral
SK2-1	+5 V	+12 V	+15V	+24V	+48
SK2-2	+5 V	+12 V	+15V	+24V	+48
SK2-3	Common	Common	Common	Common	Common
SK2-4	Common	Common	Common	Common	Common
SK2-5	-Sense	-Sense	-Sense	-Sense	-Sense
SK2-6	+Sense	+Sense	+Sense	+Sense	+Sense

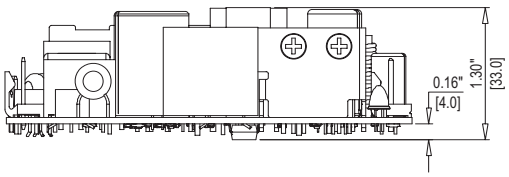
Mating Connectors

AC Input: Molex 09-50-8031 (USA)
09-91-0300 (UK)
PINS: 08-58-0111

DC Outputs: Molex 09-50-8061 (USA)
09-91-0600 (UK)
PINS: 08-58-0111

Astec Connector Kit #70-841-006, includes all of the above





Notes:

1. Specifications subject to change without notice.
2. All dimensions in inches (mm), tolerance is ±.02" (±0.5mm)
3. Mounting holes M1 and M2 should be grounded for EMI purposes.
4. Mounting hole M1 is safety ground connection.
5. Specifications are for convection rating at factory settings at 115 VAC input, 25°C unless otherwise stated.
6. Warranty: 1 year
7. Weight: .41lbs/.18kg