

Rev. 8.17.06 LCT43-E Series 1 of 3

LCT43-E Series

47 Watts

Total Power: 47 Watts Input Voltage: 85 - 264 VAC 120 - 300VDC

of Outputs: Triple





Special Features

- Totally enclosed
- Universal input
- Quick Installation
- Built-in EMI filter
- Low output ripple
- Overvoltage protection
- Overload protection

Electrical Specifications

Input

Input range 85 - 264 VAC (wide range)

120 - 300VDC

Frequency 47-63 Hz

Inrush current <20A peak @ 115VAC, <40A peak @ 230VAC cold start @ 25°C

Input current 1A max. (RMS) @ 115VAC Efficiency 70% typical at full load

EMI filter FCC Class B conducted and radiated; CISPR 22 Class B

conducted and radiated; EN55022 Class B conducted and

radiated

Bellcore GR-1089-core Class B conducted

Safety ground leadage

current

<3.5 mA @ 50/60 Hz, 264 VAC input

Output

Maximum power 47W with 12CFM forced air

Cross regulation $\pm 2\%$ on output 1; $\pm 5\%$ on outputs 2, 3 Hold-up time 10ms @ 47W load, 100VAC input

Overload protection Short circuit protection on all outputs. Case overload protect-

ed @ 110-135% above peak rating

Overvoltage protection 5.50-6.75 VDC on main output

Safety

VDE 0805/EN60950 21310-3336-0003

UL UL60950 E186249

CSA CSA 22.2-234 -950-95-M90

CB Certificate and report

6593 Mark (LVD)

pdf.dzsc.com





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Environmental Specifications

Operating temperature: 0° to 50°C ambient derate each out-

put as 2.5% per degree from 50° to

70°C

Storage temperature: -40°C to +85°C Temperature coefficient: ±.04% per °C

Vibration:

Electromagnetic designed to meet IEC1000-4; susceptibility: -2, -3, -4, -5, -6, -8, -11 Level 3

Operating; non-condensing 5% to Humidity:

.41G from 3 to 500Hz; Spectral break points of .0065 G2/Hz at 10 Hz and 200 Hz and 5 db/octave roll off at each end,

2 hours per axis

>300,000 hours at full load and MTBF demonstrated 25°C ambient conditions

Ordering Information								
Model Number	Output Voltage		Maximum Load with Convection Cooling	Load with		Regulati on²	Ripple P/P (PARD) ³	
LCT43-E	+5V	1.0A	4A	7A	8A	+4/-2%	50mV	
	+12V	0.1A	1A	1.2A	1.5A	±5%	120mV	
	-12V	0A	0.5A	0.5A	0.6A	±5%	120mV	

- 1. Peak current lasting <30 seconds with a maximum 10% duty cycle.
- $2. \ \, \text{At 25}^{\circ}\text{C including initial tolerance, line voltage, load currents and output voltages adjusted to} \\$ 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.

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Mechanical Drawing

Mating Connectors

AC Input: IEC 320

DC Outputs: Molex 15-48-0406 (USA)

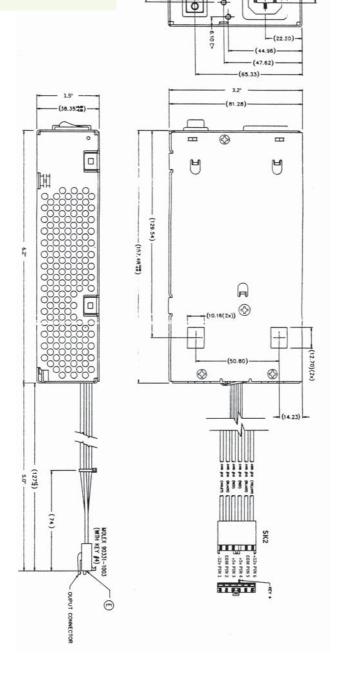
Notes:

Specifications subject to change without notice 1.

- All dimensions in inches (mm), tolerance is ±0.02" (±0.5mm)
- Specifications are for convection rating at factory settings at 115VAC input 25°C unless otherwise stated 3.
- Warranty: 1 year
- 5. Weight: 1.25lbs/0.57kg

Pin Assignments

Connector	LCT43-E
SK1-1	AC Line
SK1-2	Ground
SK1-3	AC Neutral
SK2-1	-12V
SK2- 2	Com
SK2-3	+5V
SK2-4	+5V
SK2-5	Common
SK2-6	+12V



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Astec Power

5810 Van Allen Way Carlsbad, CA 92008

USA

M3.5 x 0.6P HREAD HOLE (2X)

Telephone: +1 760 930 4600 Facsimile: +1 760 930 0698 Technical Support: +1 888 41 ASTEC

or +1 407 241 2752

Waterfront Business Park Merry Hill, Dudley West Midlands, DY5 1LX

United Kingdom

Telephone: +44 (0) 1384 842 211 Facsimile: +44 (0) 1384 843 355

Units 2111-2116, Level 21 Tower 1, Metroplaza 223, Hing Fong Road Kwai Fong, New Territories

Hong Kong

Telephone: +852 2437 9662 Facsimile: +852 2402 4426

For global contact, visit:

www.astecpower.com technicalsupport@astec.com

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