

LS Series

50-150 Watt AC/DC Desktop Power Supply

PRODUCT DESCRIPTION

The LS Series of switching power supplies offer portable power solutions with Universal AC input and international safety approvals, making them ideal for applications requiring external power.

- From 50W up to 150W output
- Specialized desktop power adapters
- Universal AC input
- RoHS compliant
- Single output voltage: 12V, 19V or 24V
- International regulatory approvals



INPUT

| | |
|-------------------------|-------------------------------|
| AC Input Voltage | 90-264VAC, 47-63Hz |
| Power Factor Correction | EN61000-3-2 Class A compliant |
| Input Line Protection | Single Fused |
| Hold-up Time | > 8mSec. @ Full Load |

ENVIRONMENTAL

| | |
|-----------------------|--|
| Operation Temperature | 0C to +40C. De-rate of 5% per 1Deg. C up to +50C |
| Storage Temperature | -25C to +85C |
| Cooling | Convection |
| Humidity | Up to 95% RH Non-condensing |
| Shock & Vibration | 0.75G Peak 5Hz - 500Hz |
| MTBF | >50,000 Hours |

OUTPUT

| | |
|--------------------------|---|
| Line Regulation | ± 1% for Vin (min.) to Vin (max.) |
| Transient Response | Better than 5% For 50% Step Load |
| Over-Voltage Protection | 120% Typical Latched Shut-down |
| Load Regulation | ± 3% Max |
| Min. Load Requirement | None |
| Turn-On Delay | 2 Sec. Max. |
| Initial Setting Accuracy | ± 3% |
| Ripple @ Noise | ± 1% or 50mV pk-pk Max (whichever is greater) |
| Overload Protection | 115-150% Typical of Max Output Load |

ELECTROMAGNETIC COMPATIBILITY

| | |
|-------------------------|--|
| Electrostatic Discharge | EN61000-4-2, ±4KV Contact / ±8KV Air Discharge |
| Radiated Susceptibility | EN61000-4-3, 26-1000MHz, 10V/M, 80% AM |
| EFT / Bursts | EN61000-4-4, ±2KV |
| Surges | EN61000-4-5, ±2KV Line-Earth, ±1KV Line-Line |
| Conducted Immunity | EN61000-4-6, 0.15-800MHz, 10V, 80% AM |
| Voltage Dips | EN61000-4-11, 95% Dip & 10ms, 30% Dip & 500ms |
| Voltage Interruptions | EN61000-4-11, 95% Reduction, 5s |
| Fluctuations & Flicker | EN61000-3-3 |

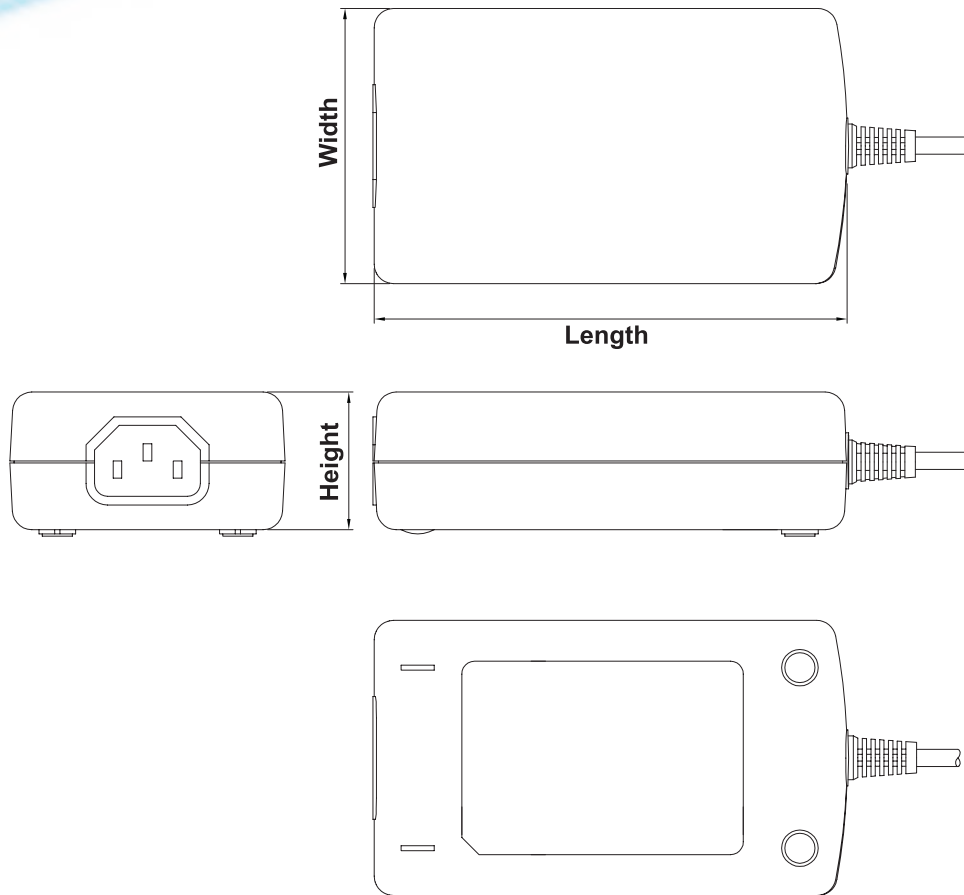
SAFETY & EMISSIONS

| | |
|------------------|----------------------------------|
| Safety Approvals | EN-60950' c/UL60950 & CE Marking |
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Model Selection Guide

| Model | Input | Output Power | Output Voltage | Output Current | Dimensions (L x W x H) |
|--------------|-----------|--------------|----------------|----------------|------------------------|
| LSE9901B1250 | 90-264VAC | 50 Watts | 12V | 4.1A | 110 x 63 x 31.5mm |
| LSE0218B1270 | 90-264VAC | 70 Watts | 12V | 5.8A | 135 x 55 x 35mm |
| LSE0218B1280 | 90-264VAC | 80 Watts | 12V | 6.67A | 150 x 60 x 35mm |
| LSE9901B2460 | 90-264VAC | 60 Watts | 24V | 2.5A | 110 x 63 x 31.5mm |
| LSE9901B2470 | 90-264VAC | 70 Watts | 24V | 2.9A | 110 x 63 x 31.5mm |
| LSE0219B2490 | 90-264VAC | 90 Watts | 24V | 3.75A | 150 x 60 x 35mm |
| LSE0224C1965 | 90-264VAC | 65 Watts | 19V | 3.4A | 107 x 47 x 30mm |



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