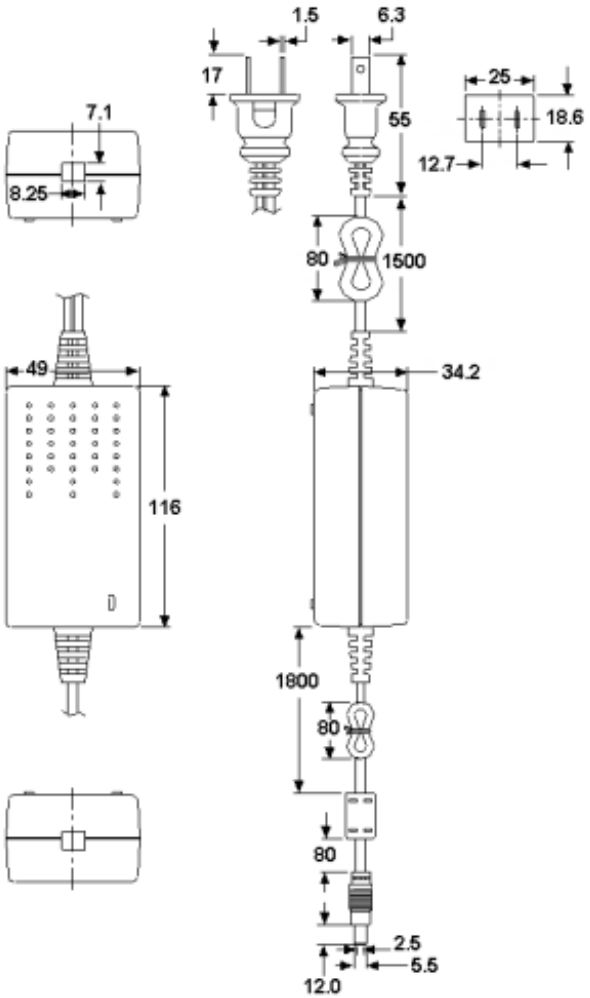
AlfaMag Electronics

# Power Adaptors

## SP60 Switching Power Series

- Universal Input 100-240VAC
- Class B EMI Filter Built-in
- High Efficiency
- Overvoltage & Short Circuit Protection
- Light Weight & Compact Size

### Mechanical Specifications




### Environmental Specifications

Operating Temperature.... 0*C to +40*C @ max load
Storage Temperature..... -40*C to +85*C
Temperature Coefficient... +/- 0.05% per
Relative Humidity..... 5% to 95% Non-frost
Input Transient ..... Complies with IEC61000

### Electrical Specifications (AC Input)

Rated Input Voltage.... 100V to 240VAC
Input Current..... 1.2A (rms) @ 115VAC
0.6A(rms) @ 230VAC
Frequency..... 50/60Hz
Inrush Current..... 40A max @ 230V cold start
Efficiency..... 80% min @ full load
EMI filter..... Complies to FCC, CISPRR22, EN55022, VDE087PT3, Class B conducted

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| Model Number | Output Voltage(V) | Max Load Current (A) | Ripple (mV) |
|---|---|---|---|
| SP60-050450 | 5.0 | 4.50 | 60 |
| SP60-075450 | 7.5 | 4.50 | 60 |
| SP60-105450 | 10.5 | 4.50 | 80 |
| SP60-120500 | 12.0 | 5.00 | 80 |
| SP60-138430 | 13.8 | 4.30 | 100 |
| SP60-150400 | 15.0 | 4.00 | 100 |
| SP60-170350 | 17.0 | 3.50 | 120 |
| SP60-190320 | 19.0 | 3.20 | 150 |
| SP60-210290 | 21.0 | 2.90 | 150 |
| SP60-240250 | 24 | 2.50 | 150 |

### Additional Specifications:

Safety Standards.....Class II SELV for EN60950, UL1950, CSA950 (cUL), CE marked, CCC
Reliability..... >100,000 hrs MTBF @ max load & 25 deg C ambient
Hold Time..... 10ms typical, max load @ 220VAC nominal line
Total Tolerance..... +/- 5%, referenced to 50% load with nominal line voltage of 220VAC
Net Weight..... 230 grams (including output cable)
Connectors.....ACInput: 1.2m line cord
DC Ouptut: 1.2m cable right angle, per customer's choice

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