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

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

Model Number	Output Voltage(V)	Max Load Current (A)	Ripple (mV)
SP60-050450	5.0	4.50	60
SP60-075450	7.5	4.50	80
SP60-105450	10.5	4.50	100
SP60-120500	12.0	5.00	100
SP60-138430	13.8	4.30	120
SP60-150400	15.0	4.00	120
SP60-170350	17.0	3.50	150
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)
Ripple & Noise..... Per graph @ 20MHz bandwidth

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