



SWITCHING POWER SUPPLY 36W

SP-001-V1

Electronics
Source



APPLICATION

Single Output Switching Power Supply 36W

FEATURES

- +12Vdc is supplied for DC motor, relay, analog circuit, or general purpose.
- High Efficiency and Low Power Consumption Loss during no load condition
- Low Audible Noise from Switching Transformer
- No Output Overshoot with soft start function
- Short Circuit and Over Load Protection
- Over Temperature Protection with automatic recovery
- Auto-restart reduced delivered power by 97% of maximum power during short circuit condition.
- Small Size and Light

ENVIRONMENTAL

- Operating Ambient Temperature: 0°C~50°C

ELECTRICAL SPECIFICATIONS

INPUT

- Input Voltage Range 100~240Vac
- Line Frequency 60 Hz/50 Hz
- Input Current Less than 0.6A @ 100Vac
- Efficiency Higher than 75% during 10% to 100% of load currents
- No-load Power Loss Consumption Less than 0.1 Watt with entire input voltage range

OUTPUT

- Maximum Power 36 Watts
- Holdup Time Higher than 45mS @ 220Vac and Maximum Load
- Rise Time 2~10mS
- Short Circuit Protection Latch off with automatic recovery after short fault is removed.
- Thermal Shutdown Temperature 142degreeC inside PI Switching ICs

Output Voltage (V)	Percentage of Regulation (%)	Minimum Load (A)	Maximum Load (A)	Output Ripple & Noise (Vpeak-to-peak)
+12Vdc	10.8~13.2V (+/-10%)	0.0	3.0	150mV

