



Desktop Switching Power Supply

Model
SEC-1235M
30 Amps

3 YEAR LIMITED WARRANTY



Design Features

- Advanced switch-mode technology
- Reliable power with minimum weight and size
- Circuit innovations minimize output voltage ripple and RFI
- Input voltage can be set at 100 VAC or 230 VAC
- UL listed to both USA & Canadian safety standards

MODEL NO.		SEC-1235M
AC INPUT	NOMINAL AC INPUT VOLTAGE	120 VAC (100-130VAC), 50/60 Hz : Factory Preset 230VAC (200 – 260VAC), 50/60Hz: By internal jumper setting
	INPUT CURRENT	7.5 A @ 120 VAC; 3.5A @ 230VAC
	INPUT CURRENT AT NO LOAD	120 mA ± 10% @120VAC
	INRUSH CURRENT AT STARTUP	30A +/- 5A for < 5 ms
DC OUTPUT	OUTPUT VOLTAGE	13.8VDC ± 0.1V
	OUTPUT CURRENT	Continuous: 30A; Current Limit: 35A, Auto recovery
	OUTPUT NOISE AND RIPPLE	< 150 mV Peak to Peak
	PEAK EFFICIENCY	85% +/-5%
DESIGN	TYPE	Switch Mode Power Supply (SMPS) with Fixed Frequency Pulse Width Modulation (PWM)
	OUTPUT SIDE SWITCHING FREQUENCY	30.5 KHz
	OUTPUT METERING	Voltmeter and Ammeter
PROTECTIONS	SHORT CIRCUIT, OVERLOAD	Constant Current Limiting at 35A; Auto Reset
	OVER VOLTAGE	Regulated by PWM Controller
	OVER TEMPERATURE	Output shuts down when Power Transformer winding temperature ≥ 105°C ± 5°C / 221°F ± 9°F; Auto reset on cooling down to ≤ 75°C ± 5°C / 167°F ± 9°F
COOLING	FORCED AIR	Temperature controlled fan. ON when Power Transformer winding temperature is ≥ 60°C ± 5°C / 140°F ± 9°F; OFF when cools down to ≤ 40°C ± 5°C / 104°F ± 9°F
FUSE	INTERNAL AC SIDE FUSE, 120VAC INPUT (PRESET)	5 mm x 20 mm Glass Fuse ; 250V, 8A, Time Delay Type ; Littelfuse - "218008"
	INTERNAL AC SIDE FUSE, 230VAC INPUT (BY INTERNAL JUMPER SETTING)	5 mm x 20 mm Glass Fuse ; 250V, 4A, Time Delay Type ; Littelfuse - "218004"
COMPLIANCE	SAFETY	UL safety listed as "Information Technology Equipment Power Supply" for USA (UL Standard ANSI/UL-60950-1) and for Canada (CSA Standard CAN/CSA-C22.2 No. 60950-1)
	ELECTRO MAGNETIC INTERFERENCE EMI – RADIATED & CONDUCTED	FCC Part 15(B), Class B
INPUT / OUTPUT CONNECTIONS	AC INPUT CONNECTION	<ul style="list-style-type: none"> • "IEC 320-C14" Inlet Connector on the unit • Detachable Power Cord with: <ul style="list-style-type: none"> - "IEC 320-C13" Connector on one end - NEMA5-15P Plug on the other end
	DC OUTPUT CONNECTORS	Terminal with Tubular Hole - Diameter 5mm / 0.2" and set screw (5/64" Hex Socket Head, #10, 24 TPI, 5/16" long)
ENVIRONMENTAL	OPERATING TEMPERATURE RANGE	0°C to 40°C / 32°F to 104°F
	STORAGE TEMPERATURE RANGE	-30°C to 70°C / -22°F to 158°F
DIMENSIONS AND WEIGHT	DIMENSIONS (W X D X H)	185 x 212 x 61 mm / 7.28 x 8.35 x 2.40 in
	WEIGHT	1.54 kg / 3.4 lb