



Desktop Switching Power Supply

Model
SEC-1235
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-1235
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	
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 208 x 61 mm / 7.28 x 8.19 x 2.40 in	
	WEIGHT	1.54 kg / 3.4 lb	

NOTE: Specifications are subject to change without notice

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