



Desktop Switching Power Supply

Model
SEC-1223
23 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 120 VAC or 240 VAC
- UL listed to both USA & Canadian safety standards

MODEL NO.		SEC-1223
AC INPUT	NOMINAL AC INPUT VOLTAGE	120 VAC (100-130 VAC), 50/60 Hz : Factory Preset, or 230 VAC (200 - 260 VAC), 50/60 Hz : By internal jumper setting
	INPUT CURRENT	5.5A @ 120 VAC
	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: 23A ; Current Limit: 25A, 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	25 KHz
PROTECTIONS	SHORT CIRCUIT, OVERLOAD	Constant Current Limiting at 25A; 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	TYPE OF COOLING	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	5 mm x 20 mm Glass Fuse ; 250V, 6.3A, Time Delay Type ; Littelfuse - "21806.3"
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 60320-C14" Inlet Connector on the unit • Detachable Power Cord with: <ul style="list-style-type: none"> - "IEC 60320-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	1.6 kg / 3.5lb

NOTE: Specifications are subject to change without notice

12001-SEC-1223-0122