



Desktop Switching Power Supply Built-in Battery Backup Circuit

Model
SEC-1223BBM-CE
13.8 VDC
230 VAC
23 Amps

3 YEAR LIMITED WARRANTY



Design Features

- Advanced Switch Mode Technology
- Reliable, 12V Nominal DC Uninterruptible Power Source (DC UPS) in conjunction with external 12V Lead Acid Battery backup
- High efficiency, compact and portable
- Protected against short circuit, overload, over voltage and over temperature
- Cooling by temperature controlled fan improves efficiency and prolongs life of the fan
- Conforms to European, Australian and New Zealand safety and EMI/EMS requirements

		MODEL NO.	SEC-1223BBM-CE
AC INPUT	INPUT VOLTAGE	230 VAC Nominal (+6% / -10%), 50/60 Hz	
	INPUT CURRENT AT: INPUT VOLTAGE: 230 VAC; OUTPUT VOLTAGE: 13.8V; OUTPUT CURRENT: 23A	2.75A @ 120 VAC	
	INPUT CURRENT AT NO LOAD	105 mA ± 10%	
	INRUSH CURRENT AT STARTUP	32A ±5% for 2.4 ms	
DC OUTPUT	OUTPUT VOLTAGE	Load Terminals: 13.8VDC ± 0.2V / Battery Terminals: 13.8VDC ± 0.2V	
	OUTPUT VOLTAGE NOISE AND RIPPLE	< 150 mV Peak to Peak	
	CONTINUOUS OUTPUT CURRENT/ LOAD TERMINALS / BATTERY TERMINALS	23A / 19A / 4A	
	OUTPUT CURRENT LIMIT / LOAD TERMINALS / BATTERY TERMINALS	25A / 25A / 4A	
	EFFICIENCY AT FULL LOAD	85% ± 5%	
EXTERNAL BATTERY (NOT INCLUDED)	VOLTAGE / CAPACITY	12V / 40Ah to 100Ah; Lead Acid	
PROTECTIONS	SHORT CIRCUIT, OVERLOAD	External 25A Fuse will blow	
	OVER VOLTAGE	Regulated by PWM Controller	
	OVER TEMPERATURE	Output shuts down (Internal hot spot ≥ 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 internal hot spot ≥ 60°C ± 5°C / 140°F ± 9°F)	
FUSES	INTERNAL AC SIDE FUSE	5 mm x 20 mm Glass Fuse / 250V, 4A, Time Delay Type	
	EXTERNAL DC SIDE FUSE FOR EXTERNAL BATTERY (BY USER)	- 32V, 25A, Fast Acting - Within 7" of the Battery Positive Post	
COMPLIANCE	SAFETY	Conforms to IEC/EN60950-1, AS/NZS 60950-1	
	EMI	Conforms to EN55022, EN1000-3-2, 3, AS/NZS CISPR 22; C-TICK	
	EMS / IMMUNITY	Conforms to EN55024, EN61000-4-2,3,4,5,6,8,11	
INPUT/OUTPUT CONNECTIONS	AC INPUT CONNECTION	- "IEC 320-C14" Inlet Connector on the unit - Detachable Power Cord with: - "IEC 320-C13" Connector on one end - CEE-7/7 "Schuko" Plug on the other end	
	DC OUTPUT CONNECTORS FOR LOAD AND BATTERY CONNECTIONS	Terminal with Tubular Hole - Diameter 5mm / 0.2" and set screw (#10, 24 TPI, 5/16" long)	
	BATTERY CABLES	Minimum AWG #10 as per NEC Table 310.15(B)(17) - Ampacity 40A (1.25 times Maximum current of 25A) - Conductor temperature rating of 90°C / 194°F	
ENVIRONMENT	OPERATING TEMPERATURE RANGE	0°C to 30°C / 32°F to 86°F	
GENERAL	DIMENSIONS (W x D x H) MM/INCH	185 x 240.5 x 61 / 7.28 x 9.47 x 2.40	
	WEIGHT (KG/LB)	1.6 / 3.4	

NOTE: Specifications are subject to change without notice

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