



**Desktop
Switching
Power Supply
Built-in Battery
Backup Circuit**

Model
SEC-1223BBM
13.8 VDC
120 VAC
23 Amps



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
- 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)
- Complies with fCC part 15(B), Class B for limits on conducted and radiated Electromagnetic Interference (EMI)

MoDEl No.		SEC-1223BBM
AC INPUT	Input VolTagE	120 VaC nominal (+6%/-10%), 60 Hz
	Input CurrEnT aT: Input VolTagE: 120 VaC; ouTpuT VolTagE: 13.8V; ouTpuT CurrEnT: 23a	5.5a @ 120 VaC
	Input CurrEnT aT no load	53 ma ± 10%
	InruSH CurrEnT aT STarTup	28a ± 5% for 2.8 ms
DC oUTPUT	ouTpuT VolTagE	load Terminals: 13.8 VdC / Battery Terminals: 13.8 VdC
	ouTpuT VolTagE noiSE and rIpplE	< 150 mV peak to peak
	ConTInuoUS ouTpuT CurrEnT/ load TErMInalS / BaTTErY TErMInalS	23a / 19a / 4a
	ouTpuT CurrEnT IIMIT / load TErMInalS / BaTTErY TErMInalS	25a / 21a / 4a
EXTERNAL BATTERY (NoT INCIUDED)	EFFICIEnCy aT full load	85% ± 5%
	VolTagE / CapaCITY	12V / 40ah to 100ah; lead acid
PRoTECTIoNS	SHorT CirCuiT, oVerload	output voltage drops; auto reset
	oVer VolTagE	regulated by pWM Controller
	oVer TEMpEraTurE	output shuts down (Internal hot spot ≥ 100°C / 212°F); auto reset on cooling down
COoLInG	forCED aIr	Temperature controlled fan (on when internal hot spot ≥ 70°C / 158°F)
FUSES	InTernAl aC SidE fuSE	5 mm x 20 mm glass fuse / 250V, 6.3a, Time delay Type Bussmann: "gdC-6.3"; littelfuse - "21806.3"
	ExTernAl dC SidE fuSE for ExTernAl BaTTErY (By uSER)	- 32V, 25a, fast acting - In series with positive Battery Terminal and output terminal marked "Battery +" - Within 7" of the Battery positive Terminal
CoMPIIANCE	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)	fCC part 15(B), Class B
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 & nEMa5-15p plug on the other end
	dCoUpTuT CoNNECToRS for load and BaTTErY CoNNECTIoNS	Terminal with Tubular Hole - diameter 5mm / 0.2" and set screw (#10, 24 Tpl, 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 75°C / 167°F
ENVIRoNMENT	opEraTInG TEMpEraTurE rangE	0°C to 40°C / 32°F to 104°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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