



samlexamerica®

40A

Rackmount Switching Power Supplies

Model
 SEC-40BRM
 40 Amps
 60 Amps (+1 Module)
 80 Amps (+2 Modules)
 100 Amps (+3 Modules)

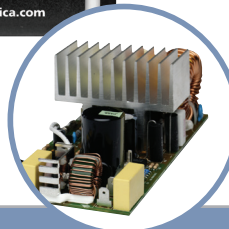


Design Features

- Modular Expansion to 100A
- N+1 Redundancy to 80A
- Voltage/Ampere meter
- Module status LEDs, fault indicator LEDs and fault alarm are standard features on all models
- Highly regulated output voltage
- Short circuit protection and overload current
- 25 pin D-sub connector for remote monitoring system

2 YEAR LIMITED WARRANTY

Expansion
 Power Modules
 SEC-2012MP5B



	SEC-40BRM (40A)	Modular Expansion		
		SEC-40BRM + 1 Module (60A)	SEC-40BRM + 2 Modules (80A)	SEC-40BRM + 3 Modules (100A)
N+1 REDUNDANCY	20A N+1	40A N+1	60A N+1	80A N+1
INPUT VOLTAGE RANGE	105 to 125 VAC, 50 / 60 Hz	105 to 125 VAC, 50 / 60 Hz		
INPUT CURRENT	8A	12A	16A	20A
NOMINAL OUTPUT VOLTAGE	13.8 VDC	13.8 VDC		
NO LOAD OUTPUT VOLTAGE	14 VDC	14 VDC		
FULL LOAD OUTPUT VOLTAGE	13.65 VDC	13.65 VDC		
OUTPUT REGULATION	1%	1%		
CONTINUOUS OUTPUT CURRENT	40A	60A	80A	100A
SURGE OUTPUT CURRENT	46A	69A	92A	115A
OUTPUT CURRENT LIMIT	48A	72A	96A	120A
MAXIMUM BATTERY CHARGING CURRENT	8A	8A		
OUTPUT RIPPLE (PEAK TO PEAK)	150 mV	150 mV		
OUTPUT NOISE (PEAK TO PEAK)	1V	0.9V	0.8V	0.7V
COOLING	Forced air, 2 fans	Forced air, 2 fans		
PROTECTIONS	Short circuit, current limit, fan failure (LED and buzzer), input surge suppression	Short circuit, current limit, fan failure (LED and buzzer), input surge suppression		
OPERATING TEMPERATURE	0 - 40° C	0 - 40° C		
POWER CORD	12 AWG / 3 conductor	12 AWG / 3 conductor		
POWER CORD PLUG	125V, 20A, NEMA 5-20P	125V, 20A, NEMA 5-20P		
MODULE FUSE	250V, 4A	250V, 4A		
UNIT CIRCUIT BREAKER	125 / 250V, 25A	125 / 250V, 25A		
DIMENSIONS (19" Rack Mount, 2U height), MM (L x W x H)	483 x 404 x 91.4	483 x 404 x 91.4		
DIMENSIONS (19" Rack Mount, 2U height), INCHES (L x W x H)	19 x 15.9 x 3.6	19 x 15.9 x 3.6		
WEIGHT, KG	9.3	10	10.7	11.4
WEIGHT, LB	20.5	22	23.5	25

NOTE: Specifications are subject to change without notice

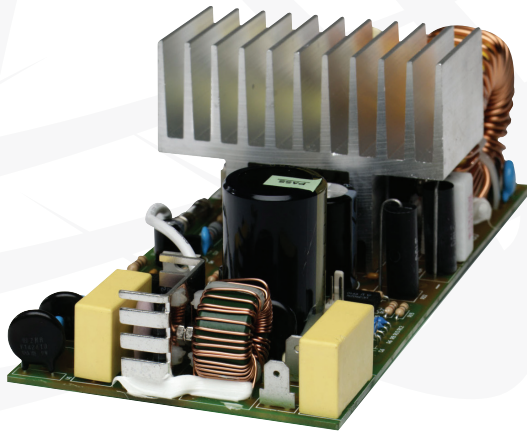
Over ▶

12001-SEC-40BRM-0723



samlexamerica[®]

20A



Replacement Power Modules for BRM Model Power Supplies

Models

SEC-2012MPSB
20 Amps

SEC-1024MPSB
10 Amps

SEC-2012MPSB-230
20 Amps

Design Features

- Provides N+1 redundancy (2 or more running in parallel)
- Expand output power by adding power modules
- Operation status LED
- Remote indication of operation status
- Open frame construction

2 YEAR LIMITED WARRANTY

MODEL NO.	SEC-2012MPSB
INPUT VOLTAGE RANGE	108 - 132 VAC, 50 / 60 Hz
INPUT CURRENT	4A ± 0.5A
INPUT POWER FACTOR	0.6 ± 0.05
PRESET OUTPUT VOLTAGE	14.2 ± 0.05 VDC
ADJUSTMENT OUTPUT VOLTAGE	13.9 - 14.9 VDC
OUTPUT VOLTAGE REGULATION	1%
CONTINUOUS OUTPUT CURRENT	20A
OUTPUT CURRENT LIMIT	24A ± 1A
OUTPUT RIPPLE (PEAK TO PEAK)	< 150 mV
OUTPUT NOISE (PEAK TO PEAK)	< 2V
EFFICIENCY	82 ± 1%
COOLING	Through heat sink mounted on the PCB. Requires external fan.
OPERATING TEMPERATURE	0 - 40°C
PARALLEL OPERATION WITH CURRENT SHARING	Active current share control through daisy chained Share Bus.
PROTECTIONS	Short circuit, current limit, input surge / transient suppression
INPUT AC SIDE FUSE	250V, 4A
DIMENSIONS, MM (L x W x H)	183 x 86 x 64
DIMENSIONS, INCHES (L x W x H)	7.2 x 3.4 x 2.5
WEIGHT, KG	0.73
WEIGHT, LB	1.6

NOTE: Specifications are subject to change without notice

Over ▶

12001-SEC-2012MPSB-0723