



ALARM SAF

POWER SUPPLY/BATTERY CHARGER



12/24VDC @ 3A or 4A Cabinet Level

Economical and reliable, these general purpose, cabinet enclosed units are available in 12 or 24VDC models at 3 or 4A. This family of Power Supply / Battery Chargers allows the applications engineer to provide main, standby or auxiliary power to non-listed systems for doorstrikes, maglocks, card readers, proximity readers and other equipment used in security system integration applications. These versatile power supplies / battery chargers feature full regulation and filtering, short circuit and thermal protection, and linear design technology. They are supplied complete with locking cabinet and transformer. Charge capacity ranges from 20 to 38Ah depending on model.

FEATURES

- 12 or 24VDC
- 3 or 4A current capability
- Thermal protection
- Fault status reporting
- Fully regulated and filtered
- Fault relay (see specifications)
- Reverse polarity protection
- Fused battery output
- Linear technology for proximity reader compatibility
- In-cabinet battery capacity of 20Ah @ 12V or 8Ah @ 24V
- Limited lifetime warranty on PC board

APPLICATIONS

- Uninterruptible auxiliary or system power
- Proximity or card reader power
- Local or central doorstrike power
- Local or central maglock power
- DC CCTV camera power
- High capacity standby battery charging

SPECIFICATIONS

	PS3-BFS-12 / PS3-BFS-24	PS5-BFS-12 / PS5-BFS-24	PS5-12040-BO3	PS5-24040-BO3
Output Voltage	12/24VDC	12/24VDC	12VDC	24VDC
Output Current	3A	5A (Note 1)	5A (Note 1)	5A (Note 1)
Input Voltage	120VAC	120VAC	120VAC	120VAC
Input Current	1.25A@12VDC / 2.5A@24VDC	1.25A@12VDC / 2.5A@24VDC	1.25A	2.5A
Ripple (RMS)	.005VAC@.5A .14VAC@2.5A	.005VAC@.5A .14VAC@4A	.005VAC@.5A .14VAC@2.5A	.005VAC@.5A .14VAC@.4A
Battery Charge Capacity	14Ah (Note 2)	20Ah (Note 2)	38Ah (Note 2)	38Ah (Note 2)
Fault Output Type	Voltage	Voltage	Form C	Form C
Trouble Relay	No	No	Yes	Yes
Fault Detection	AC fuse, Battery fuse, Low battery			
Visual indicators (LEDs)	AC: Green, Common fault: Yellow			
Temperature Range	32° to 120°F (0° to 50°C)			
Humidity	85% @ 85°F (29.4°C)			
Fuse Type/Rating	Glass tube, 10A battery fuse, 10A AC fuse			
Cabinet Dimensions	11"H x 15"W x 4"D (28cm x 38cm x 11cm)			
Cabinet Weight	18 lb. (8.2 kg)			
Cabinet Material	18 gauge painted steel			
Battery Space	4.5"H x 14.5"W x 4"D (12cm x 37cm x 10cm)			

NOTE 1: For continuous current draw derate to 4A

NOTE 2: Maximum current drawn from these units is affected by battery size used. Maximum allowed load current is 10% of the battery Ah rating as a dedicated battery charging current. **EXAMPLE:** To charge a 17 Ah battery from a PS5, allow 1.7 A for battery charging, which leaves 3.3 A for the system load (5-1.7=3.3).

ORDER INFORMATION

ORDER NUMBER	MODEL NUMBER	DESCRIPTION	BATTERY CHARGE CAPACITY	CABINET BATTERY CAPACITY	CABINET DIMENSIONS
00809	PS3-BFS-12	12VDC 3A Power Supply	20Ah	20Ah	BO3 - 11"H x 15"W x 4"D (28cm x 38cm x 11cm)
00816	PS3-BFS-12-2B7	12VDC 3A Power Supply with two 7Ah batteries	20Ah	20Ah	
00810	PS3-BFS-24	24VDC 3A Power Supply	20Ah	8Ah	
00832	PS3-BFS-12-4B4	12VDC 3A Power Supply with four 4Ah batteries	20Ah	20Ah	
00833	PS3-BFS-24-2B7	24VDC 3A Power Supply with two 7Ah batteries	20Ah	8Ah	
00811	PS5-BFS-12	12VDC 4A Power Supply	38Ah	20Ah	
00817	PS5-BFS12-4B4	12VDC 4A Power Supply with four 4Ah batteries	38Ah	20Ah	
00812	PS5-BFS-24	24VDC 4A Power Supply	38Ah	8Ah	
00818	PS5-BFS-24-4B4	24VDC 4A Power Supply with four 4Ah batteries	38Ah	8Ah	
00834	PS5-12040-BO3	12VDC 4A Power Supply	34Ah	20Ah	
00836	PS5-24040-BO3	24VDC 4A Power Supply	34Ah	8Ah	
00839	PS5-BFS-12-1B7	12VDC 4A Power Supply with one 7Ah battery	34Ah	20Ah	



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