

Power Supplies with Built-In Battery Back-up

Power-Pac

Designed for critical applications such as VHF shore stations that must remain on the air, even during a power outage. The 12 volt supply features built-in back-up batteries which are charged during normal operation and then continue to power radios even when AC power is lost.

- Highly regulated, low ripple output for noise-free radio operation
- Battery automatically comes on-line if AC fails
- Low battery alarm and disconnect, with override switch for emergency power

General Specifications

- Input:** 115/230 VAC, 50-60 Hz.
- Output:** 13.6 VDC @ 5A cont., 10A Int.
- Regulation:** 1% line and load
- Ripple:** 1% P-P
- Operating Temp:** 0-40° C

Models:

- Power-Pac 7 A/H** (w/7 amp/hour battery), 18 lbs.
- Power-Pac 14 A/H** (w/14 amp/hour battery), 24 lbs.
- Dimensions** (both models): 5.3" H x 9.0" W x 10.5" D

Options:

- External battery packs available, contact factory for information on BM Series
- Also available without batteries installed; contact factory (subtract 15 lbs. from unit weight)



Integrated Power System

Precision-regulated power supply with built-in batteries, status indicators, alarms and low voltage disconnect. Ideal for GMDSS consoles and base stations. Rear terminals provided to expand back-up capacity by wiring additional batteries. 19" or 23" rackmount standard. Bulkhead/shelf mounting bracket optional. 115/230 VAC, 50-60 Hz input all models.

Model	Output		Internal Battery Capacity	Ground Reference	Weight		Case Size Inches H x W x D
	VDC	Amps Continuous			Lbs	Kg.	
IPS 12-40	13.6	40	16 A-H	Negative	32	14.6	3.5 x 17 x 19.5
IPS 24-22	27.2	22	8 A-H	Negative	32	14.6	3.5 x 17 x 19.5
IPS 48-11	54.4	11	4 A-H	Positive	32	14.6	3.5 x 17 x 19.5

Power Modules & Power Function Manager

Power Modules

Power Modules function as power supply or battery charger; 12, 24 or 48 volts; positive, negative floating ground. Wire in parallel to create systems from 500-6,000 watts. Optional quick connect wiring kit allows swap-out of modules without system shutdown. 115/230 VAC, 50-60 Hz input. 19" or 23" rackmount standard. Bulkhead/shelf mounting bracket optional.



Model	Input Amps @ F.L. 115/230V	Output		Weight	
		VDC V OUT	Amps Cont. +	Lbs	Kg.
PM-12-40	8.5/4.3	13.6	40	12.2	5.5
PM-12-70	16/8	13.6	70	15.2	6.9
PM-24-20	8.5/4.3	27.2	20	12.2	5.5
PM-24-35	16/8	27.2	35	15.2	6.9
PM-24-80	*/22	27.2	80	34	15
PM-48-10	8.5/4.3	54.4	10	12.2	5.5
PM-48-18	16/8	54.4	18	14.0	6.4
PM-48-50	*/22	54.4	50	34	15

+ For parallel configuration/load sharing derate output 10%

Power Function Manager



Power Function Manager converts ordinary power supplies (or Power Modules, at left) into a fully integrated and ideally functional complete power system. The unit provides control, monitoring, paralleling and protection of 12, 24 or 48 VDC, positive, negative or floating ground power sources.

- Heavy duty (400 amp) input power parallel tie point
- Digital output monitoring of system voltage and amperage
- System status lights
- Five distribution circuit breaker capacity
- Auto low voltage or manual battery disconnect
- Summary alarm contacts

Model: PFM-400

19" or 23" rackmount only; 2 RU (3.5") high

Case Size - PM and PFM

Inches			Centimeters		
H	W*	D	H	W*	D
3.5	17	20.5	13.5	43.2	52.1

*19" and 23" mounting brackets provided



DC Power Onboard