

MB1500

A Fully Programmable, Uninterruptible Power Supply, Voltage Regulator & Power Conditioner



FOR YOUR HOME THEATER SYSTEM

MB1500 prevents critical equipment from losing setup configuration, stored data and hard-disk crashes. Shuts off projection equipment via IR control to allow the projector bulbs to go through a proper cool-down cycle before shutting off.

MB1500

COMBINES POWER MANAGEMENT, SURGE PROTECTION WITH AVM AND BATTERY BACKUP TO PROVIDE THE COMPLETE SOLUTION!

Features

- 1500 VA Rated Battery Backup
- True Sine Wave Output
- AVM Automatic Voltage Monitoring
- LiFT Linear Filtering Technology Noise Filtration
- Protect or Disconnect Voltage Protection
- Voltage Regulation
- Dual Learning IR Output Controls
- USB Interface
- RS-232 with Open Source Protocol
- Fully Programmable
- Four Programmable Critical Load Management AC Outlet Groups
- Battery Extension Pack Available To Extend Runtime (BATT1500-EXT Sold Separately) See pg. 2
- IP Card Module for Remote Control Via Internet (BlueBOLT™ Sold Separately, (See below)

MB1500 SPECIFICATIONS

Input			
Voltage	85 – 137 VAC	Automatic Voltage Regulation, Sensitive Mode Capture Range: 98 – 135 V	
Frequency	57 – 63 Hz	Automatic Voltage Regulation, Sensitive Mode Output Range: 120 ± 5%	
AC Power			
Surge Protection:	Non-sacrificial AVM (Automatic Voltage Monitoring)	Automatic Voltage Regulation, Standard Mode Capture Range: 90 – 140 V	
Current Rating	12 A maximum (7.5 A maximum battery load recommended)	Automatic Voltage Regulation, Standard Mode Output Range: 120 ± 10%	
Overvoltage Shutoff, fast rise:	150 ± 5 V	UPS Output	
Overvoltage Shutoff, slow rise:	140 ± 5 V	Voltage	120 ± 5 V True Sine Wave
Undervoltage Shutoff:	90 ± 5 V	Frequency	60 Hz ± 1%
Noise Filtration:	40dB min from 100 kHz-2MHz 75dB max @ 270kHz	UPS Output Capacity	1500VA 900W @ 0.6pf
Linear Attenuation Curve:	From 0.05 - 100 Ohms line impedance	UPS Backup Time. (full load)	12 minutes
		UPS Backup Time. (half load)	30 minutes
		Transfer Time	< 4ms

Specifications subject to change due to product upgrades and improvements.

Model: BlueBOLT-CV1 (Sold Separately)



MB1500 is BlueBOLT™ Compatible!

BlueBolt™ Remote Power Management technology provides secure, hosted IP (Internet Protocol) system control. Sold separately, contact Panamax for information.



Outlet Banks 1, 2, 3, and 4 Indicators
Illuminated blue when outlet bank is switched on.

Line Fault Indicator
This LED will illuminate in red to warn the user that a wiring problem such as a bad/missing ground or reversed wiring exists within the AC receptacle. If illuminated, disconnect all equipment and contact an electrician to insure outlet is properly wired.

Menu Navigation Knob
Rotate clockwise to navigate to the next screen, counter-clockwise to return to the previous screen, push to select menu item.

Status Display
LCD displays status and menu navigation items.

Removable Battery Access Panel
Easy to remove for battery access and replacement.

Power Switch
Press and hold the power button for 2 seconds to turn the MB1500 ON or OFF.

IR Detector
IR Detector for sampling IR remote control signals

UL LISTED
3 Year Parts Warranty
2 Year Battery Warranty
\$5,000,000 Lifetime Limited Commercial Product Liability

Rack Mountable
Front rack ear kit included

Outlet Bank 4 - Non-Critical-Load Outlets
Two battery powered, AVM protected outlets for connected equipment ensures temporary uninterrupted operation of connected equipment during a power failure. These outlets will shut off when the batteries drain to a designated level to reserve remaining battery charge for the critical load outlets.

Circuit Breakers for Overload Protection
Resettable circuit breakers provide optimal overload protection.

Outlet Bank 2 - Critical-Load Outlets
Two battery powered, AVM protected outlets for critical-load equipment ensures temporary uninterrupted operation of connected equipment during a power failure.

Outlet Bank 1 - Critical-Load Outlets
Two battery powered, AVM protected outlets for critical-load equipment ensures temporary uninterrupted operation of connected equipment during a power failure.

RS-232 Serial Communication Port
The serial port allows connection and communication between the MB1500 and an automation, media server, or computer system. This allows the installer to program a number of variables including the Critical Load Battery Threshold. See the software documentation information.

BlueBOLT
Compatible Model: BlueBOLT-CV1 (sold separately)

Unit Circuit Breaker

AC Power Cord
Captive, heavy-duty shielded power cord.

Ground Lug

Outlet Bank 3 - Non-Critical-Load Outlets
Two battery powered, AVM protected outlets for connected equipment ensures temporary uninterrupted operation of connected equipment during a power failure. These outlets will shut off when the batteries drain to a designated level to reserve remaining battery charge for the critical load outlets.

External Battery Connectors
Allows for optional external battery addition.

USB to Computer
USB port allows communication between MB1500 and computer.

IR Control Section
Indicator LED's - Indicates status
IR Output Jacks - Standard 1/8" (3.5mm) mono jack for connection to an IR flasher (IR flashers not included)

WEIGHTS, MEASUREMENTS & UPC'S FOR ORDERING & SHIPPING MB1500

SINGLE MODEL MB1500		SINGLE UNIT CARTON		
Dimensions	Weight	Dimensions	Weight	UPC
L 19" x H 4" x W 17"	72.5 lbs.	L 26.5 x H 10.5" x W 22.25"	81 lbs.	050616-008525

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BATT1500-EXT External Battery Pack

MODEL: BATT1500-EXT



PFPower's External Battery Pack offers extended run-time for the MB1500.

Features include:

- Form Factor – 2U configuration supports both rack and tower mounting.
- Metal Housing – Rigid metal construction allows for placement in areas with a demanding environment.
- Power On/Off Switch - Local power switch for manual reset & control.
- Back-panel fuse - User replaceable fuse which is easily accessed from the rear panel.

Extended runtime for the BATT1500-EXT listed below.
(Nominal time in minutes at Half / Full loads) MB1500

UPS UNIT	BATT1500-EXT	MINUTES	
		HALF LOAD	FULL LOAD
MB1500			
MB1500 (STAND ALONE)		30	12
MB1500	+ 1 BATT1500-EXT	101	45

WEIGHTS, MEASUREMENTS & UPC'S FOR ORDERING & SHIPPING BATT1500-EXT	
SINGLE MODEL BATT1500-EXT	
Dimensions	Weight
L 19" x W 17" x H 4"	67 lbs.
SINGLE UNIT CARTON	
Dimensions	Weight
L 23.5" x W 21" x H 10.5"	75 lbs.
UPC 050616-008570	

BATT1500-EXT Specifications:	
Battery	
Battery Type	Sealed lead acid
Battery Size	12V/9AH
User Replaceable	Yes
Hot Swappable	Yes
Typical Recharge Time	8 Hours
Replacement Battery	BB Battery - HR9-12
Battery Quantity	8
Physical	
Rack Size	2U
Environmental	
Operating Temperature	32 °F to 95°F / 0°C to 40 °C
Operating Humidity	0% - 95% non condensing
Maximum Operating Elevation	10,000 ft / 3,000 m
Storage Temperature	5 °F to 113°F / -15°C to 45 °C
Maximum Storage Elevation	50,000 ft / 15,000 m
Certifications	
Certifications	UL1778, cUL 107.1, FCC DOC Class B
ROHS	ROHS Compliant
Warranty	
Product Warranty	3 Years Limited



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