

# 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.

**PANAMAX**  
www.panamax.com

**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.



**Rack Mountable**  
Front rack ear kit included

**IR Detector** IR Detector for sampling IR remote control signals

**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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