

# PRO Series

## MAX 1500-UPS

# HOME CINEMA UPS/POWER CONDITIONER



## Independence from Power Interruptions!

### QUICK SELLING POINTS

**1.** A UPS (Uninterruptible Power Supply) maintains power temporarily to ride out short black-outs or brown-outs preventing lengthy restart sequences. It allows safe shut down for extended black-outs.

- DVR's can continue to record.
- Unique IR control allows ceiling projectors to cool their lamps properly to prevent damage from excessive heat before shutting down.

**2.** Voltage Regulation (keeping voltage within nominal operating ranges) prevents equipment lock-ups due to power sags and keeps equipment from heating up (power supplies require more current when voltage is low).

**3.** Plays well with others...as an add-on to every sale. Plug the M1500-UPS into the "Always On" outlet of any Panamax component to combine the award winning features of the component product with the enhanced features of the M1500-UPS. Total system capacity would be 15 amps.

- Use with a M4310 and occupy only three rack spaces for less cost than the competition.
- Or use with a M5300 with more features for the combined cost of the competition.



The MAX® 1500-UPS is an Uninterruptible Power Supply, Voltage Regulator & Power Conditioner.

The Power Specialists Since 1975

# PANAMAX®

### RUNTIME BY LOAD

LOAD	PANAMAX	COMPETITION
1/4	50 MINUTES	NOT AVAILABLE**
1/2	20 MINUTES*	12 MINUTES
FULL	08 MINUTES*	04 MINUTES

\*using critical load function

\*\*not available from competition

## Model No. M1500-UPS

# MAX® 1500-UPS

- Learning IR Function
- Critical Load Status Outlets
- RS-232 Interface
- Noise Filtration/Power Protection

## FEATURES AND INCLUDED ACCESSORIES

**Power Switch**  
Press the power button to turn the UPS ON or OFF.

**Test Switch**  
This UPS performs a self-test automatically when powered on. The test switch allows you to test the system at any time. In battery mode, you can press this button to silence an audible alarm.

**Unsafe Voltage Indicator**  
This LED will illuminate to inform the user that an unsafe line voltage is present and that the UPS has switched to battery power. This could be either an over-voltage or under-voltage.

**Line Fault Indicator**  
This LED will illuminate 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.

**Power On Indicator**  
This LED is illuminated when the utility condition is normal and the UPS outlets are providing clean, protected power.

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

**Accessories Included:**  
 1 - IEC 320, 120V/15A Power Cord  
 1 - RJ-11 Telephone Cable  
 1 - DB 9 Serial Cable  
 1 - Home Cinema Power Control Software  
 2 - Rack Mounting Ears

**Battery Level Indicator**  
This is a visual indication of the battery charge. If battery capacity is under 20%, no indicator LED will illuminate and UPS starts beeping (if the audible alarm is enabled).

**Battery Mode Indicator**  
This illuminates during utility failure or an unsafe voltage condition, indicating that the battery is supplying power to the connected equipment.

**AVR Indicator**  
This indicates that the UPS is operating in automatic voltage regulation mode. When the led is illuminated continuously, it indicates an input over-voltage and the UPS unit reduces the voltage to the normal operating range. When the led is flashing, it indicates that the input line voltage is low and that the UPS is increasing voltage to the normal range.

**Load Level Indicator**  
This is a visual indication of the UPS load. The 1st arrow will illuminate when the load is above 25%, the 2nd above 50% and the 3rd above 75%. The 4th arrow will flash when the load is between 85% and 100%.

**Non-Critical-Load Outlets**  
Four battery powered, surge protected and AVR outlets for connected equipment insures temporary uninterrupted operation of connected equipment during a power failure.

**Critical Load Outlets**  
Two battery powered, surge protected and AVR outlets for critical-load equipment insures temporary uninterrupted operation of connected equipment during a power failure.

**IR Control Section**  
**Learning Control Switches** – Push to program or test the IR function  
**IR Detector Window** – Receives the IR signal to be learned  
**Indicator LEDs** – Indicates learning status

**Output Delay Switches** – Set the desired time delay between a power failure and when the IR signals are sent to the connected equipment  
**IR Output Jacks** – Standard 1/8" (3.5mm) mono jack for connection to an IR flasher (IR flashers not included)

**RJ11/RJ45 Jacks**  
Ports protect standard telephone line, modem, or network cable.

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

**AC Power Cord Input Receptacle**

**RS232 Serial Communication Port**  
The serial port allows connection and communication between the UPS and a HTPC (home theater personal computer) or home automation system. If used temporarily during setup (with the included software), it allows the installer to program a number of variables including the Critical Load Battery Threshold.

## TECHNICAL SPECIFICATIONS

### AC CIRCUIT PROTECTION AND FILTRATION

**CAPACITY**  
 (VA).....1500VA  
 (Watts).....1000W

**INPUT**  
 Voltage Range.....88Vac - 147Vac  
 Frequency Range.....47 - 63 Hz

**OUTPUT**  
 On Battery Output Voltage.....Pure Sine Wave at 120VAC +/- 5%  
 On Battery Output Frequency.....60 Hz +/- 1%  
 Transfer Time.....4ms

**PROTECTION & FILTRATION**  
 On Utility.....Over/Under voltage protection  
 On Battery.....Internal Current Limiting  
 Patented Power Management Circuit.....Yes  
 Overvoltage Shutoff.....144V ±8V  
 Undervoltage Shutoff.....90V ±6V  
 Thermal Fusing.....Yes  
 Initial Clamping Level.....200V Peak, 141V RMS  
 UL 1449 Suppression Rating.....330V  
 Protection Modes.....L-N, L-G, N-G  
 Response Time.....< 1 n  
 Single Pulse Energy Dissipation.....1650 Joules  
 Peak Impulse Current.....52,000 A  
 EMI/RFI Noise Filtration.....50dB (100kHz - 1 MHz)

### TELEPHONE CIRCUIT

Clamping Level.....260V  
 Capacitance.....30pf (approx.)  
 Suppression Modes.....Metallic & Longitudinal  
 Wires Protected.....2 wire/ 1 pr. (pins 4,5)  
 Connections.....RJ-11/45 Shared with LAN

### LAN CIRCUIT

Compatibility.....10/100 baseT Ethernet  
 Clamping Level.....7V  
 Suppression Modes.....Differential & Common Ground  
 Wires Protected.....Pins 1, 2, 3 and 6  
 Connections.....RJ/11--45 Shared with Telco

### BATTERY

Sealed.....Yes  
 Maintenance-free.....Yes  
 Lead Acid.....Yes  
 User Replaceable.....Yes  
 Typical Recharge Time......8 hrs.

### COMMUNICATION

Software Included..(Windows95/98/ME/NT/2000/XP)  
 Hardware.....RS232 (open command set)  
 Programmable IR.....(learning) sends IR signals to equipment after power failure

### PHYSICAL

Rack Mountable.....Yes (rack mount kit included)  
 Maximum Dimensions.....17"W x 15.75" D x 4" H w/feet  
 Weight (lbs.)......56  
 Outlets.....6 Total (2 assigned critical load)

### GENERAL

Lightning Protection.....Yes  
 Product Warranty.....3 Years

Design and specifications subject to change without notice due to product improvement.

### SHIPPING DIMENSIONS, WEIGHTS AND UPC CODES

Single Pack Dimensions.....19.25" W x 10.25" D x 18.5" H  
 Single Pack Weight......65 lbs.  
 Single Unit UPC.....0 50616-00763 4  
 Master Pack Dimensions.....19.75" W x 10.75" D x 19.25" H  
 Master Pack Qty......1 Unit  
 Master Pack Weight......65 lbs.  
 Master Pack UPC.....Same as Single Unit UPC

## Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>