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.

POWER   TEST   BATTERY LEVEL ▶▶▶▶   ⏻ POWER ON   LOAD LEVEL ▶▶▶▶
⊗ LINE FAULT
↑↓ UNSAFE VOLTAGE
▭ BATTERY MODE
ʃ/ʃ AVR MODE

PANAMAX

Pure Sine Wave
Intelligent Critical Load Control

MAX® Home Cinema *UPS*

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

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

The Power Specialists Since 1975

PANAMAX®

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

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

Acessories 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

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.

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 LED's – 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

Model: M1500-UPS

ISO 9001
Registered PANAMAX

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LISTED

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