FURMAN

F1500-UPS E

UNINTERRUPTIBLE POWER SUPPLY
BATTERY BACKUP/POWER CONDITIONER



The F1500-UPS E battery backup designed exclusively for audio/video professionals and home theatre aficionados.

Protection
Typical UPS systems feature antiquated surge suppression technologies that can cause as much damage and annoying lock-ups as they attempt to prevent. Only Furman offers battery back-up with our road-proven SMP non-sacrificial, zero ground contamination surge suppression technology and EVS Extreme Voltage Shutdown. After all, the most robust battery cannot function if the accompanying circuits are damaged. With Furman's F1500-UPS E, you can expect years of trouble free operation*.

Filtration
While other UPS devices feature AC line filters suitable for an I.T. closet, only Furman employs our exclusive Linear Filtering Technology (LiFT). This advanced noise filtering technology assures that today's ultra-wide dynamic range is maintained as it must be – pristine. Remember, less AC noise equals greater content, greater resolution, and higher definition.

True Sine Wave Output
The F1500-UPS E provides True Sine Wave output when in battery backup mode, ensuring the utmost reliability to all connected equipment while running on battery power.

Expandability
At 1500VA, the F1500-UPS E provides substantial backup time for most critical digital A/V components. If more runtime is needed, a 1500VA battery pack (BATT1500-EXT, sold separately) may be used to further increase runtime (up to four times) as the application demands.

BlueBOLT® Cloud Based IP Control/Monitoring and Serial Programmability & Control
BlueBOLT compatibility (via BlueBOLT-CV1 interface card, sold separately), offers remote control over any Internet connection via a truly plug-and-play, hosted, web-based graphical user interface, with full control and power monitoring functionality. RS-232 control with a wide range of commands to interface with an existing control unit is included. Dual programmable IR control allows the unit to send a shut down command to remote components in the event of a blackout.



TYPICAL BACKUP COMPONENTS

Because of the nature of battery backup technology, high-current audio and video components such as power amplifiers, powered subwoofers, and high-wattage displays are not recommended for use with the F1500-UPS E. Not only will these components drain battery power quite rapidly, line impedance will be raised due to the F1500-UPS E's (or any) AVR and AC to DC inverter, which can induce current compression and noticeably diminish performance with high-current A/V equipment. The following components are ***ideal*** for use with the F1500-UPS E:

DAWs • Satellite Receivers • Cable Boxes • Digital Video Recorders • Media Servers • External Hard Drives • Digital Mixing Consoles • Lamp Based Video Displays • Control Systems





For power management of other components, Furman recommends Classic, Prestige or Reference i Series Power Conditioners. For high-current components such as power amplifiers and powered subwoofers, solutions featuring Furman's exclusive Power Factor Technology are ideal.

APPROXIMATE RUN TIME, 1500VA*

Satellite Receiver or Cable Box = 80 Minutes
Media Server + Control System = 40 Minutes
Digital Mixing Console (24 Channel) = 20 minutes
DAW Computer + Digital I/O + External Hard Drive + 24" LCD Monitor = 12 Minutes

These run times should be used as a **guideline only and are dependant on **device and usage.***

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PRODUCT FEATURES

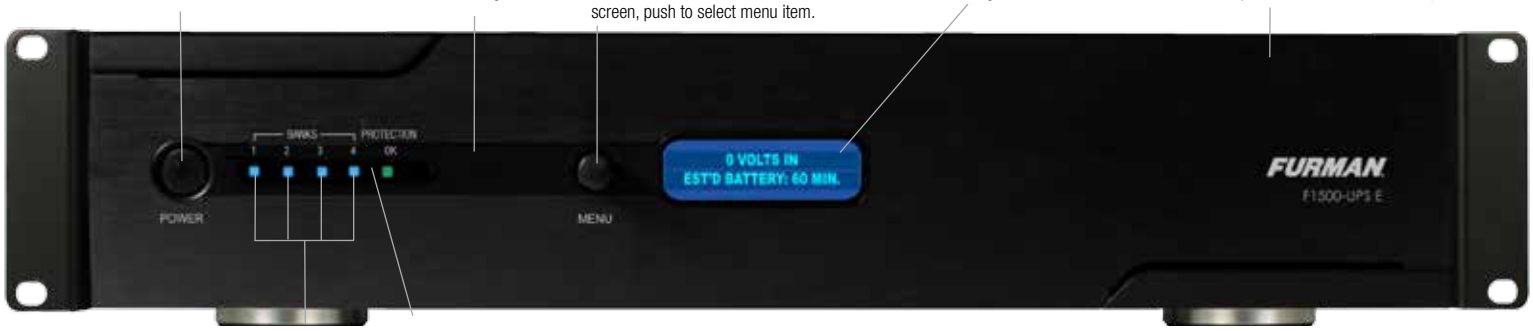
Power Switch
Press the power button to turn the F1500-UPS E ON or OFF.

IR Detector
IR Detector, for sampling IR remote control signals.

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.



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

Protection OK Indicator
When mains power is provided, this LED will illuminate green to advise the user that the EVS protection system is operational. If the EVS protection system has been damaged or compromised (and mains power is provided), this indicator will either extinguish, or dim substantially. If this indicator is dim, or fails to illuminate, disconnect all equipment and refer the UPS to an authorized Furman service center.

Outlet Bank 3 - Non-Critical-Load Outlets
Three battery powered, SMP 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.

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

External Battery Connectors
Allows for optional external battery addition.

USB to Computer
USB port allows communication between F1500-UPS E and computer.

AC Power Cord
Removable Heavy Duty Schuko male to IEC C -13 female.

Unit Circuit Breaker

Ground Lug



Outlet Bank 4 - Non-Critical-Load Outlets
Three battery powered, SMP 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, SMP protected outlets for critical-load equipment insures temporary uninterrupted operation of connected equipment during a power failure.

RS-232 Serial Communication Port
The serial port allows connection and communication between the F1500-UPS E 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 for more information. BlueBOLT-CV1 Card (sold separately) allows for additional functions, such as remote diagnostics, control of individual outlet banks, and configuration of email alerts. Contact Furman for price and availability.

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)

SPECIFICATIONS

Nominal Line Voltage:	220 VAC	230 VAC	240 VAC
UPS INPUT			
Voltage	156-274 VAC	166-284 VAC	176-294 VAC
Line Frequency	50/60 Hz +/- 3% (auto sensing)		
UPS OUTPUT			
Voltage	220 VAC +/- 10%	230 VAC+/- 10%	240 VAC+/- 10%
Frequency	50/60 Hz +/- 1% (adaptive)		
Current Rating	6.82 A	6.53 A	6.25 A
UPS Output Capacity	1500 VA, 900W, cos 0.6		
UPS Backup Time	12 minutes at full load, 32 minutes at half load		
UPS Transfer Time	< 4ms		
AUTOMATIC VOLTAGE REGULATION			
Standard Mode Capture Range	160-276 VAC	170-286 VAC	180-296 VAC
Standard Mode Output Range	220 +/- 24 VAC	230 +/- 24 VAC	240 +/- 24 VAC
Sensitive Mode Capture Range	177-254 VAC	187-254 VAC	197-264 VAC
Sensitive Mode Output Range	220 +/- 12 VAC	230 +/- 12 VAC	240 +/- 12 VAC

Nominal Line Voltage:	220 VAC	230 VAC	240 VAC
SURGE PROTECTION			
Technology	Non-sacrificial SMP (Series Multi-Stage Protection)		
Overvoltage Shutoff, fast rise	305 VAC		
Overvoltage Shutoff, slow rise	265 VAC	275 VAC	285 VAC
Noise Attenuation	INPUT 10 dB @ 10kHz, 40 dB @ 100 kHz, 50 dB @ 500kHz		
Linear Attenuation Curve	From 0.05 - 100 Ohms line impedance		
UPS PHYSICAL ATTRIBUTES			
UPS Topology	Line Interactive		
Temperature Rating	0 ~ 40°C / 40°C maximum for ambient operation		
Mass	32.5 Kg / 72 lbs.		
Dimensions	89mm H x 487.7mm L x 444.5mm D / 3.5" H x 19.2" L x 17" W		
Battery	Sealed Lead-Acid		
Plug	1mm^2 x 3.3m, Detachable male Schuko with retention clips		
Display	Alphanumeric 2 X 20 LCD STN positive image, Backlit blue		

Specifications subject to change due to product upgrades and improvements.

WEIGHTS, DIMENSIONS AND UPC CODES

MODEL	PRODUCT DIMENSIONS	WEIGHT	CARTON DIMENSIONS	WEIGHT	SINGLE UNIT UPC
M1500-UPS E	89mm H x 487.7mm L x 444.5mm D 3.5" H x 19.2" L x 17" W	32.2 Kg 72 lbs.	268mm H x 690mm L x 560mm W D / 3.5" H x 19.2" L x 17" W	35 Kg 75 lbs.	654061028512

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