Power Supply for Fire Protective Signaling System

Fire Alarm Backup
500 W to 15 kW

Sine Wave Power for the 21st Century
The Fire Alarm Backup System delivers computer-grade, sine-wave power; the preferred power source for all electronic equipment. With today's advanced technology, we can combine inverter and battery charger into a single modular with reliable electrical equipment utilizing digital signal processing including electrical static transfer switch.

PWM Technology
The double conversion inverter of the Fire Alarm Backup System (FAB) is always on-line, eliminating noise, spikes, sags, and brownouts. Should utility power fail, the UPS's inverter provides no-break, uninterrupted output power to the critical load. This high frequency unit is listed to UL1481.

Input Power Factor Correction
The Fire Alarm Backup System pays for itself by correcting input current draw to reduce your utility bill without compromising power quality.

Latest Technology for Switch-Mode Power Supplies
The Fire Alarm Backup System model is designed for switch mode power supplies, computer loads, with no derating, drawing sine-wave input current that is power factor corrected.

Microprocessor Control Display
The Fire Alarm Backup System provides one of the most comprehensive monitoring package. Its 40 X 4 line back lit display shows multiple readings with remote monitoring through RS232 or AS400.

Safeguard™ Battery Management System
OnLine Power has designed (patent pending) a process for the real time ability to charge and monitor the battery system. This system utilizes a microprocessor technology to monitor the batteries critical levels and apply charging cycles in a method to substantially increase battery life.

Isolation, Including Output Neutral To Ground Bonding
The Fire Alarm Backup System provides the galvanic electrical isolation required by FIPS PUB 94 (Federal Information Processing Standard) and it qualifies as a true, separately derived power source as defined by the National Electrical Code, Article 250-5d. When input is different from output or output different from input, an internally mounted transformer is required. This isolation allows the Fire Alarm Backup System to offer excellent RF noise filtering and single point grounding for sensitive electronic equipment (standard on all models with output transformer).

Caster Based, Small Footprint Cabinet
The Fire Alarm Backup System provides less computer room floor space than most other UPS systems. Its compact, lightweight design saves overall space, facilitates handling and keeps shipping costs to a minimum.

Alarms
To alert you of possible problems, the Fire Alarm Backup System displays alarm messages on its control panel and provides RS232/AS400 local outputs and Terminal Block for Remote Monitoring.

UL 1481 Listed
90% Efficiency (typ.)
Optional Load Distribution
Advanced PWM Technology for Non-Linear Loads Digital Signal Processing
Built-in Input Power Factor Correction
Generator Compatible with Automatic Governor max 2Hz per seconds
Optional Multiple Output Voltage
Double Conversion Technology
Computerized Monitoring
Microprocessor Controlled LCD Panel for Monitoring
Local RS232 and AS400
Inverter Test Switch
Small Foot Prints
5 Year Limited Factory Warranty

OnLine
POWER

Incandescent, Fluorescent, HID, HPS, Power factor and energy efficient Ballast Compatible
Computer Room • Production Facility • Testing Lab • Telecommunications • Retail Sales / POS • Industrial
Government • Public Building • Schools • Healthcare • Cruise Line • Banking / Credit • Printing Facility
Fire Alarm Backup System Specifications

Power Rating: 500, 750, 1000, 15000, 2000, 3000, 4000, 5000, 7500, 10000, 12500, and 15000 Watts
Input Voltage: 120 or 208 or 240 VAC (-20% to +15%) 7.5kV to 15kV; 208 or 240 VAC (-15% to +10%)
Input Frequency: Slew rate of 2Hz/sec
Output Voltage: 120 or 120/240 VAC
Output Frequency (Inverter Operation): 60 Hz ±0.5 Hz
Voltage Regulation: ±3% typ.
Output Wave Form: Sine-Wave
Output Power Factor: 1.0 (KVA = KW)
Efficiency: 90% typical
Battery: Sealed maintenance-free (AGM) battery VRLA
Safety Agencies: Listed to UL1481
Recharge Time: Conforms UL1481

Environmental:
- Humidity: 0 - 95% RH w/ no cond.
- Operating Temperature: UPS: 0˚ to 40˚ C (32˚ - 104˚ F)
- Battery: 20˚ to 25˚ C (68˚ - 77˚ F)
- Storage Temperature: -20˚ to 60˚ C. (-4˚ - 140˚ F) electronics only.
- Altitude: Up to 10,000 ft

Cabinet Dimensions:
- UPS Cabinet: 18”W x 35”H x 32”D
- Battery Cab “B”: 39”W x 48”H x 18”D
- Battery Cab “C”: 39”W x 68”H x 18”D

UPS

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Built-in Input Power Factor Correction
- Built-in Input Transient Voltage Surge Suppressor (TVSS)
- Provision RS232 & AS400 Local ports for metering measuring, and diagnostic
- High Frequency PWM with Digital Signal Processing Technology
- Internal Make Before Break Bypass Switch
- Battery Breaker
- Inverter Test Switch
- Microprocessor Controlled Display

Options:
- Output Distribution: Secondary Auxiliary Circuit Breakers - Normally On, Normally Off, Normally Off w/ Delay, Trip Alarm
- External Maintenance Bypass Switch (wrap around type)
- Main Input and/or Output Circuit Breaker (with higher KAIC)
- Input Circuit Breaker (higher KAIC upon request)
- Output Circuit Breaker (higher KAIC upon request)
- Alternate Source Input
- Multiple Output Voltage
- Certified Zone 4 Seismic Bracket
- Spare Part Kits Available
- Extended Warranty, On-site Warranty, and Service Plans
- Global Monitoring System (GMS)

Local:
- Local PC via RS232 and RS485
- Event logging up to 500

Remote:
- Dial-up
  - Voice (10 event logging), numeric pager
  - Voice, data, fax, pager, PC, e-mail, event logging up to 500
  - Voice, data, fax, pager, PC, e-mail, and measurement (500 event logging plus graphic)
- WebSNMP: LAN or WiFi
  - System status, measurement, alarm notification, event logging and password protected configuration.

Consult Factory for more features and choices of remote communication.

Specifications are subject to change without prior notification.

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