

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 utilize 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 requires less computer room floorspace than most other UPS system. 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



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%)
7.5kW to 15kW; 208 or 240 VAC (-15% to +10%)

Input Frequency: Slew rate of 2Hz/sec

Output Voltages: 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

Recharge Time: Conforms ULI481

Safety Agencies: Listed to ULI481

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				
VA/W	In / Out Voltages	Model Numbers	* Weight (lbs)	Battery Part Number
500	120 / 120	WR3.0A01FPN1-05	440	7050-354
	208 / 120	WR3.0B58FPT1-05	640	
	240 / 120	WR3.0D58FPT1-05	640	
750	120 / 120	WR3.0A01FPN1-07	440	7050-355
	208 / 120	WR3.0B58FPT1-07	640	
	240 / 120	WR3.0D58FPT1-07	640	
1000	120 / 120	WR3.0A01FPN1-10	440	7050-356
	208 / 120	WR3.0B58FPT1-10	640	
	240 / 120	WR3.0D58FPT1-10	640	
1500	120 / 120	WR3.0A01FPN1-15	440	7050-357
	208 / 120	WR3.0B58FPT1-15	640	
	240 / 120	WR3.0D58FPT1-15	640	
2000	120 / 120	WR3.0A01FPN1-20	440	7050-358
	208 / 120	WR3.0B58FPT1-20	640	
	240 / 120	WR3.0D58FPT1-20	640	
3000	120 / 120	WR3.0A01FPN1	440	7050-359
	208 / 120	WR3.0B58FPT1	640	
	240 / 120	WR3.0D58FPT1	640	
4000	120 / 120	WR4.0A01FPN1-40	440	7050-360
	208 / 120	WR4.0B58FPT1-40	640	
	240 / 120	WR4.0D58FPT1-40	640	
5000	120 / 120	WR5.0A01FPN1	440	7050-361
	208 / 120	WR5.0B58FPT1	640	
	240 / 120	WR5.0D58FPT1	640	
7500	CONSULT FACTORY			7050-362
10000	CONSULT FACTORY			7050-363
12500	CONSULT FACTORY			7050-364
15000	CONSULT FACTORY			7050-365

Specifications are subject to change without prior notification.

BATTERY				
Part Number	Backup Time (min)	Qty/ Strg.	Type	* Cabinet
7050-354 -XXX	15	8 / 1	25AH	-
	30	8 / 1	25AH	-
	60	8 / 1	25AH	-
	120	8 / 1	35AH	-
	240	8 / 1	50AH	B
	480	8 / 2	65AH	B
7050-355 -XXX	15	8 / 1	25AH	-
	30	8 / 1	25AH	-
	60	8 / 1	25AH	-
	120	8 / 1	50AH	B
	240	8 / 1	90AH	B
	480	8 / 2	90AH	C
7050-356 -XXX	15	8 / 1	25AH	-
	30	8 / 1	25AH	-
	60	8 / 1	35AH	-
	120	8 / 1	50AH	B
	240	8 / 1	100AH	B
	480	8 / 2	90AH	C
7050-357 -XXX	15	8 / 1	25AH	-
	30	8 / 1	35AH	-
	60	8 / 1	50AH	B
	120	8 / 1	90AH	B
	240	8 / 1	120AH	B
	480	8 / 2	120AH	C
7050-358 -XXX	15	8 / 1	25AH	-
	30	8 / 1	35AH	-
	60	8 / 1	50AH	B
	120	8 / 1	100AH	B
	240	8 / 2	90AH	C
	480	8 / 3	120AH	C
7050-359 -XXX	15	8 / 1	35AH	-
	30	8 / 1	50AH	B
	60	8 / 1	90AH	B
	120	8 / 2	90AH	C
	240	10 / 2	120AH	C
	480	10 / 4	120AH	2C
7050-360 -XXX	15	10 / 1	35AH	-
	30	10 / 1	50AH	B
	60	10 / 1	90AH	B
	120	10 / 2	90AH	C
	240	10 / 2	120AH	C
	480	10 / 4	120AH	2C
7050-361 -XXX	15	10 / 1	35AH	-
	30	10 / 1	65AH	B
	60	10 / 1	120AH	B
	120	10 / 2	90AH	C
	240	10 / 3	120AH	C+B
	480	10 / 5	120AH	2C
7050-362 7050-363 7050-364 7050-365	15	20 / 5	150AH	5C
	CONSULT FACTORY			

STANDARD FEATURES

- Microprocessor Controlled Display
- Battery Breaker
- Inverter Test Switch
- 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
- Built-in Input Power Factor Correction
- Generator Compatible with Automatic Governor (Slew Rate 2Hz/sec.)

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)
 - **Web/SNMP:** LAN or WIFI
- System status, measurement, alarm notification, event logging and password protected configuration.

Consult Factory for more features and choices of remote communication.

