

Power Supply for Fire Protective Signaling System

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.

RS232, AS400, and Remote Monitoring

The Fire Alarm Backup System can communicate with terminals, computers, and other local devices via its RS232 and ASA400 ports standard on every model making Fire Alarm Backup System compatible with today's most popular devices. Also standard are dry contact ports for remote monitoring/annunciation.

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.



FIRE ALARM BACK-UP (FAB)

- UL 1481 Listed
- 500W to 15kW
- 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

Fire Alarm Back-Up Specifications

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
- Certified Zone 4 Seismic Bracket
- Spare Part Kits Available
- Extended Warranty, On-site Warranty, and Service Plans
- Multiple Output Voltage

Cabinet Dimension

UPS Cabinet: 18"W x 35"H x 32"D

Battery Cabinet:

Cab "B"; 39"W x 48"H x 18"D

Cab "C"; 39"W x 68"H x 18"D

* UPS Weights: electronic only, w/o battery.

** "XXX" = back-up time in minutes

*** "-" = Batteries are in the UPS Cabinet.

Minimum 15 minutes requirement.

Consult Factory for other Power Rating, Voltages, Frequencies, and Back-Up Times.

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, 10kW, 12.5kW, and 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 UL1481

Safety Agencies: Listed to 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

UPS				
V/A/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				7050-362
10000				7050-363
12500	CONSULT FACTORY			7050-364
15000				7050-365

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
7050-355 -XXX	480	8 / 2	65AH	B
	1440	8 / 3	120AH	C
	15	8 / 1	25AH	-
	30	8 / 1	25AH	-
	60	8 / 1	25AH	-
7050-356 -XXX	120	8 / 1	50AH	B
	240	8 / 1	100AH	B
	480	8 / 2	90AH	C
	1440	8 / 4	100AH	C
	15	8 / 1	25AH	-
7050-357 -XXX	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	1440	8 / 4	120AH	C
	15	8 / 1	25AH	-
	30	8 / 1	35AH	-
	60	8 / 1	50AH	B
	120	8 / 1	100AH	B
7050-359 -XXX	240	8 / 2	90AH	C
	480	10 / 2	120AH	C
	1440	16 / 5	120AH	3C+B
	15	10 / 1	35AH	-
	30	10 / 1	50AH	B
7050-360 -XXX	60	10 / 1	90AH	B
	120	10 / 2	90AH	C
	240	10 / 2	120AH	C
	480	10 / 4	120AH	2C
	1440	20 / 5	120AH	4C
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
7050-362 7050-363 7050-364 7050-365	480	10 / 5	120AH	2C
	1440	20 / 5	150AH	4C
	CONSULT FACTORY			
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Specifications are subject to change without prior notification.

