

NFPA Compliant Battery Back-Up Power

ETL Listed to UL Standard 2524 & 924 Public Safety/BDA In-Building Coverage

An integral part of an in-building solution for emergency response radio coverage is the backup power system. NFPA codes relating to the autonomous operation and monitoring of the BDA power is quite stringent. These back up power enclosures were engineered to meet every aspect of NFPA 1221 and provide integrators configuration flexibility and rapid delivery directly to site, batteries included.

Features

- ETL listed to UL 2524 & 924
- NFPA compliant
 - All required monitoring alarms
- Batteries included
 - Choose capacity to match system requirements
- NEMA-4 enclosure
- Lightweight and prewired with waterproof feed-thru's for easy one-man install and on-site connections
- Assembled in America

Specifications

Input: 115/230 VAC (factory wired for 120V AC)

Outputs:

DC: 12, 24 and 48V, with 120, 240 and 480 Watt DC UPS

AC: 110V at 96 watts - see reverse for detailed specifications

Protections: Battery breaker, AC input breaker, NEMA enclosure, liquid tight cord grips

NFPA 1221 Compliant Alarms (Form C, Dry Contact)

- AC fail
- Battery discharged to 30% of capacity
- Charger fail

Batteries Included: maintenance free, valve regulated, sealed lead acid, 18, 55, 82 and 100 AH capacity

Enclosure Size including Mounting Flanges (H x W x D):

A: 30" x 23" x 10.5"

B: 23.15" x 24" x 24"



Enclosure A
12, 24, & 48V DC, 18 - 100AH



**ETL Listed to
UL Standards
2524 & 924**



Enclosure B
48V, 100AH



UL Standard 2524
UL Standard 924



Enclosure A: NEMA-4, UL listed (E465553), welded aluminum with IP 65 battery vent and locking door, IP-68 cable entries. Red powder coat wall mount.

Enclosure B: NEMA-4, welded aluminum with IP 65 vent, pad lockable door handle, IP-68 cable entries. Red powder coat wall mount.

Model	Output Voltage	Max. BDA Load Amps	Batt. A/H Capacity*	System w/ Batt. Wt. (Lbs.)	Shipping Wt. (Lbs.)	Enclosure Size
PE-12V-120-18AH-UL2524	12V DC	1.2A	18	49	89	A
PE-12V-120-55AH-UL2524	12V DC	3.8A	55	75	115	A
PE-12V-120-100AH-UL2524	12V DC	5A	100	111	151	A
PE-24V-240-18AH-UL2524	24V DC	1.2A	18	63	103	A
PE-24V-240-55AH-UL2524	24V DC	3.8A	55	114	154	A
PE-24V-240-100AH-UL2524	24V DC	5A	100	186	226	A
PE-48V-480-18AH-UL2524	48V DC	1.2A	18	90	130	A
PE-48V-480-55AH-UL2524	48V DC	4A	55	190	230	A
PE-48V-480-82AH-UL2524**	48V DC	6.6A	82	283	323	B
PE-48V-480-100AH-UL2524	48V DC	8.5A	100	371	411	B
PE-110V-165-100AH/24V-UL2524	110V AC	1.4A	100	191	231	A

*See reverse for battery specifications; ** Pending; UL: Models ETL Listed to UL Standards 2524 & 924



Powering the Network 0121

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Battery Specifications

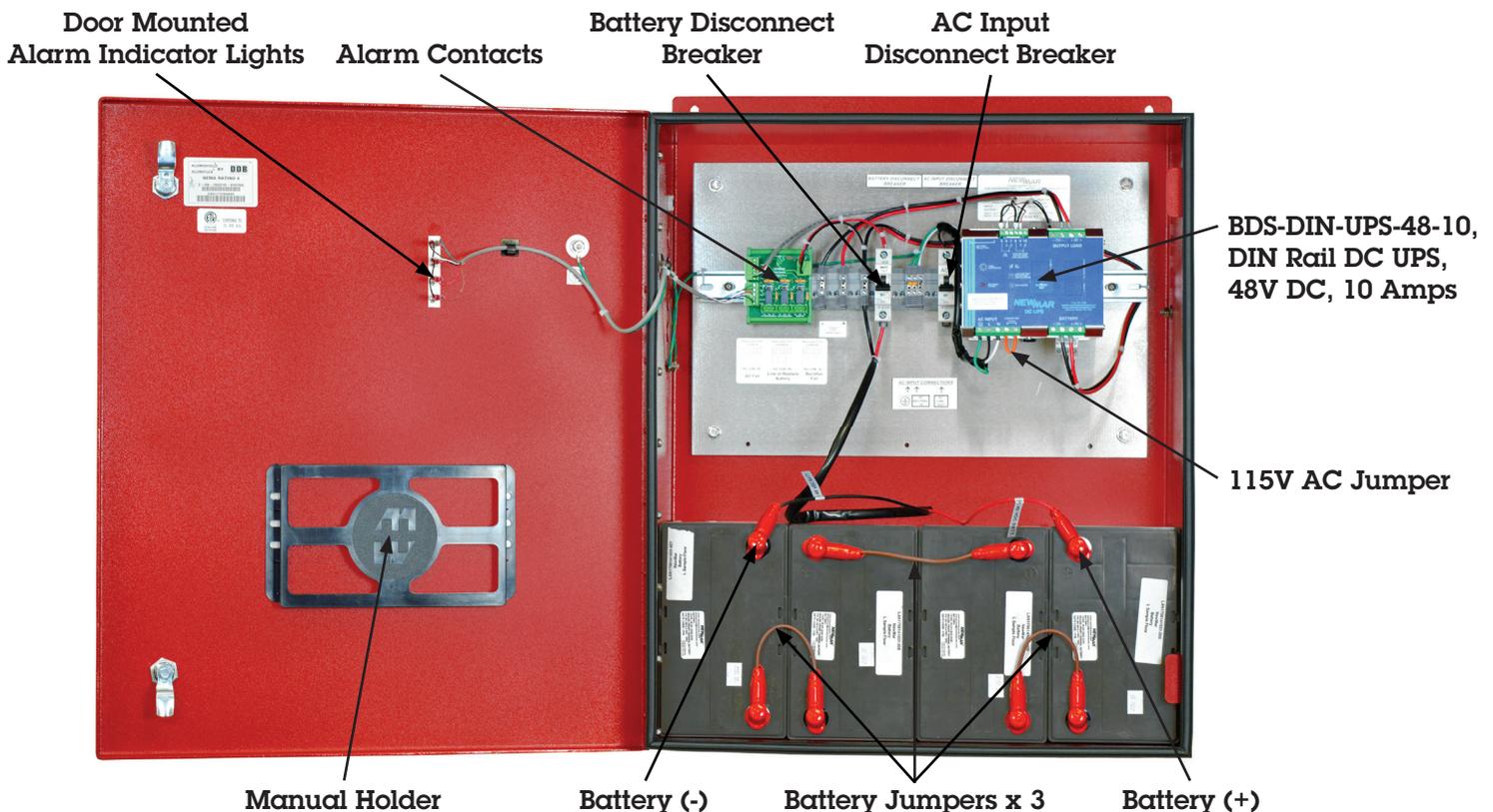
Model	Amp/Hour	Battery	Quantity	Max Continuous Load 12 Hour Rating	Max Continuous Load 24 Hour Rating	Electrolyte Content	
						Pounds	Gallons
12V DC							
PE-12V-120-18AH-UL2524	18AH-UL2524	ES17-12S	1	1.2A/15.2W	.75A/9W	1.9	0.3
PE-12V-120-55AH-UL2524	55AH-UL2524	XP12-210FR	1	3.8A/48.2W	2.33A/28W	7.6	0.8
PE-12V-120-100AH-UL2524	100AH-UL2524	PYL12V100FS	1	5A/63.5W	4.6A/55W	22.8	1.6
24V DC							
PE-24V-240-18AH-UL2524	18AH-UL2524	ES17-12S	2	1.2A/29.4W	.75A/18W	3.9	0.6
PE-24V-240-55AH-UL2524	55AH-UL2524	XP12-210FR	2	3.8A/93.1W	2.33A/56W	15.2	1.6
PE-24V-240-100AH-UL2524	100AH-UL2524	PYL12V100FS	2	5A/122.5W	4.6A/110W	45.7	3.2
48V DC							
PE-48V-480-18AH-UL2524	18AH-UL2524	ES17-12S	4	1.2A/60W	.75A/36W	7.7	1.3
PE-48V-480-55AH-UL2524	55AH-UL2524	XP12-210FR	4	4A/200W	2.33A/112W	30.5	3.2
PE-48V-480-82AH-UL2524	82AH-UL2524	XP12-300FR	4	6.6A/316W	3.33A/160W		
PE-48V-480-100AH-UL2524	100AH-UL2524	PYL12V100FS	4	8.5A/392W	4.6A/221W	91.3	6.3
110V AC							
PE-110V-165-100AH/24V-UL2524	100AH/24V-UL2524	PYL12V100FS	4	1.4A/165W	.82A/96W	91.3	6.3

Based on 100% duty cycle. Back-up time increase if intermittent duty cycle loads applied.

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* Model PE-48V-480-82AH-UL2524 is pending and specifications subject to change

Typical Wiring Diagram



Huntington Beach, CA USA

Powering the Network

www.poweringthenetwork.com ■ 800-854-3906