NFPA Compliant Battery Back-Up Power

Public Safety/BDA In-Building Coverage

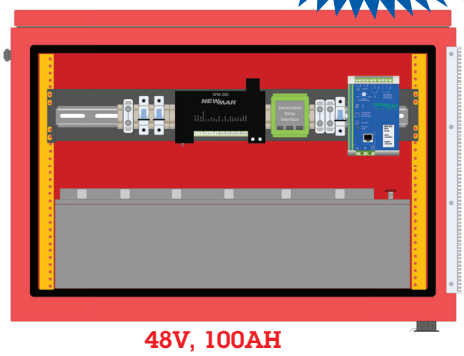
An integral part of an in-building solution for emergency response radio coverage is the backup power system. NFPA codes relating to the autonomous operation and monitoring of the BDA power is quite stringent. These back up power enclosures were engineered to meet every aspect of NFPA 1221 and provide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

Features

- NFPA Compliant
  - All Required monitoring alarms
- Batteries included
  - Choose capacity to match system requirements
- NEMA Enclosure
- Prewired with waterproof feed thru' s for easy on-site connections:
- Customization to meet local AHJ 's requirements

12-24-48V, 18 - 100AH
26" x 22" x 10"
Case A

New!



48V, 100AH
19" x 24" x 20"
Case B

Specifications

Input: 115/230 VAC

Outputs:
DC: 12, 24 and 48V, with 120, 240 and 480 Watt DC UPS
AC: 110V at 100 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, and 100 AH capacity

External wiring:
- AC Input: 16 AWG, UL 3 conductor, SJT jacket, 12' with molded plug

Enclosure: NEMA welded aluminum with IP 65 battery vent and locking door with 4 each 1/2" knock-outs for cable entry on sides and bottom (16 total), IP 65 cable entries. Red powder coat wall mount.

Optional Configurations/Components
- Input/Output wire lengths/terminations/plugs
- Ethernet/SNMP monitoring and data logging (see model SPM-200 for specifications)
- Battery temperature compensation sensor

Model	Output Voltage	DC UPS Power Watts	Batt. A/H Capacity*	System w/ Batt. Wt. (Lbs.)	Shipping Wt. (Lbs.)	Enclosure Size (H x W x D)
PE-12V-120W-18AH	12V DC	120	18	49	89	26" x 22" x 10"
PE-12V-120W-55AH	12V DC	120	55	75	115	26" x 22" x 10"
PE-12V-120W-100AH	12V DC	120	100	111	151	26" x 22" x 10"
PE-24V-240W-18AH	24V DC	240	18	63	103	26" x 22" x 10"
PE-24V-240W-55AH	24V DC	240	55	114	154	26" x 22" x 10"
PE-24V-240W-100AH	24V DC	240	100	186	226	26" x 22" x 10"
PE-48V-480W-18AH	48V DC	480	18	90	130	26" x 22" x 10"
PE-48V-480W-55AH	48V DC	480	55	190	230	26" x 22" x 10"
PE-48-480W-100AH	48V DC	480	100	371	411	19" x 24" x 20"
PE-110V-100W-100AH/24V	110V AC	100	100	191	231	26" x 22" x 10"

**See reverse for battery specifications*

NEMA®

Powering the Network

NFPA Compliant Battery Back-Up Power

Battery Specifications

Model	Amp/Hour	Battery	Quantity	Max Continuous Load 12 Hour Rating	Re-Charge Time To 90% Hours	Max Continuous Load 24 Hour Rating	Re-Charge Time to 90% Hours	Electrolyte Content	
								Pounds	Gallons
12V DC									
PE-12V-120W-	18AH	ES17-12	1	1.5A/18W	2.6	.75A/9W	2.4	1.9	0.3
PE-12V-120W-	55AH	XP12-210FR	1	4.6A/55W	12.3	2.33A/28W	8.8	7.6	0.8
PE-12V-120W-	100AH	PYL12V100FS	1	8.5A/98W	81.6	4.6A/55W	24.6	22.8	1.6
24V DC									
PE-24V-240W-	18AH	ES17-12	2	1.5A/36W	2.6	.75A/18W	2.4	3.9	0.6
PE-24V-240W-	55AH	XP12-210FR	2	4.6A/110W	12.3	2.33A/56W	8.8	15.2	1.6
PE-24V-240W-	100AH	PYL12V100FS	2	8.5A/196W	81.6	4.6A/110W	24.6	45.7	3.2
48V DC									
PE-48V-480W-	18AH	ES17-12	4	1.5A/72W	2.6	.75A/36W	2.4	7.7	1.3
PE-48V-480W-	55AH	XP12-210FR	4	4.6A/220W	12.3	2.33A/112W	8.8	30.5	3.2
PE-48V-480W-	100AH	PYL12V100FS	4	8.5A/392W	81.6	4.6A/221W	24.6	91.3	6.3
110V AC									
PE-110V-100W-	100AH/24V	PYL12V100FS	4	172W	81.6	93W	24.6	91.3	6.3

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

Typical Wiring Diagram

NEWMAR

Powering the Network