

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-4 enclosure
- Lightweight and prewired with waterproof feed-thru's for easy one-man install and on-site connections
- Customization to meet local AHJ's requirements

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

Operating Temperature: -10° C to 40° C

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 11.625"; **B:** 23.15" x 24" x 24"



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



Enclosure B: 48V, 100AH



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-120W-18AH	12V DC	1.2A	18	49	89	A
PE-12V-120W-55AH	12V DC	3.8A	55	75	115	A
PE-12V-120W-100AH	12V DC	5A	100	111	151	A
PE-24V-240W-18AH	24V DC	1.2A	18	63	103	A
PE-24V-240W-55AH	24V DC	3.8A	55	114	154	A
PE-24V-240W-100AH	24V DC	5A	100	186	226	A
PE-48V-265W-18AH	48V DC	5.5A	18	81	116	C
PE-48V-480W-18AH	48V DC	1.2A	18	90	130	A
PE-48V-265W-36AH	48V DC	5.5A	36	138	173	C
PE-48V-480W-55AH	48V DC	4A	55	190	230	A
PE-48-480W-82AH	48V DC	6.6A	82	283	323	B
PE-48V-480W-100AH	48V DC	8.5A	100	371	411	B
PE-110V-100W-100AH/24V	110V AC	1.4A	100	191	231	A