

# 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 UL listed enclosure
- Prewired for easy on-site connections
- Customization to meet local AHJ 's requirements



### Specifications

**Input:** 90 - 300V AC, 50/60 Hz.

#### Outputs:

**DC:** 48V, with 600, 700 and 1200 Watt DC UPS

**AC:** 120V at 600 watts - see reverse for detailed specifications

**Protections:** Battery circuit breaker, DC output circuit breaker, NEMA enclosure, IP65 vents

#### NFPA 1221 Compliant Alarms (Form C, Dry Contact)

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

**Batteries Included:** maintenance free, sealed valve regulated, lead acid; 160, 185, 280, 320, 370, 400 and 600 AH capacity

#### Included:

- Battery string wiring: 8 AWG, two conductor with 5/16" ring battery terminals
- Battery string circuit breaker: 30A

#### Enclosure Size (H x W x D):

**A:** 50.23" x 25.5" x 34"

**B:** 78.23" x 25.5" x 34"

**C:** 30" x 25.5" x 34"

**Enclosure A:** 50" tall, NEMA-4, UL listed, welded aluminum with IP 65 battery vent and pad lockable door handles. Red powder coat floor mount.

**Enclosure B:** NEMA-4, UL listed, welded aluminum with IP 65 vent, pad lockable door handles. Red powder coat floor mount.

Model	Output Voltage	Maximum Load	Batt. A/H Capacity	Maximum Cont. Load:		Enclosure Size
				12 Hrs. Watts	24 Hrs. Watts	
PE-48V-350-200AH	48V DC	350W @ 48V DC	200	650	344	A*
PE-48V-480-160AH	48V DC	480W @ 48V DC	160	650	344	A*
PE-48V-480-200AH	48V DC	480W @ 48V DC	200	600	412	C*
PE-48V-600-185AH	48V DC	600W @ 48V DC	185	600	300	A*
PE-48V-600-320AH	48V DC	600W @ 48V DC	320	600	600	A*
PE-48V-600-370AH	48V DC	600W @ 48V DC	370	600	600	A*
PE-48V-700-280AH	48V DC	700W @ 48V DC	280	700	634	A*
PE-48V-700-370AH	48V DC	700W @ 48V DC	370	700	700	A*
PE-48V-700W-400AH	48V DC	700W @ 48V DC	400	700	634	A*
PE-48V-1200W-600AH	48V DC	1200W @ 48V DC	600	1200	871	B
PE-120V-600-185AH	120V AC	600W @ 120V AC	185	600	300	A*
PE-120V-600-370AH	120V AC	600W @ 120V AC	370	600	600	A*

\* Can be upgraded to larger enclosure, size B



Powering the Network

121819