

# SHIELD EXTEND Battery Backup Unit

## Backup Power for SHIELD EXTEND

**MODEL NUMBER: F43-00**

The SHIELD EXTEND Battery Backup Unit (BBU) provides constant direct current and battery charging capabilities for SHIELD EXTEND ERCES installations. In the event of a power failure, the BBU allows the SHIELD EXTEND system to maintain peak operation for up to 12 hours. In addition to being NEMA 4 rated and listed to UL 2524, the BBU requires four 12-volt lead-acid batteries and includes accessories for wall mounting and cabling for connecting to the SHIELD EXTEND Management Unit.

### Features and benefits include:

- Delivers direct constant current to all active SHIELD EXTEND components and SHIELD accessories, including the Management Unit, Network Unit, Coverage Units, Remote Annunciator Panel (RA), Emergency Power-Off Switch (EPO), and Active Server Antennas
- Provides backup power for up to 12 hours during power outages
- Requires 12V lead-acid batteries
- Two alarm ports for monitoring of the BBU
- Listed to UL 2524 and FCC Part 15 compliant
- NEMA 4 enclosure



SHIELD EXTEND  
Battery Backup Unit (BBU)  
(Batteries are not included)



### Specifications

Part Number	F43-00
Enclosure Size (in) WxHxD	17.40 x 37.09 x 14.88
Weight without batteries	66.14 lb



### Power

Input voltage	115 VAC
Output voltage	48 VDC

### Environmental

Operating Temperature	0°C – 50°C
Operating Humidity	95%

### Connections

Alarm Port	2x dry contact alarms
Input Power	AC cord through waterproof gland
Output Power	DC cord through waterproof gland

## Supported Alarms

Normal AC power  
 Battery Charger Fail  
 Loss of Normal AC power  
 Low Battery Capacity @ 30% of Capacity

## Certifications

FCC Part 15, 22, 24, 27, 20, 90	Listed to UL 2524	UL 50E (CU)	   
	IFC 510	NEMA 4	
	NFPA 1221	ISED (Canada)	

## Battery Charts

#CU	LMR Single Band	LMR Dual Band	LMR + LTE	LMR Single Band	LMR Dual Band	LMR + LTE
1	40Ah	40Ah	40Ah	45Ah	50Ah	65Ah
2	40Ah	45Ah	45Ah	65Ah	80Ah	100Ah
3	45Ah	50Ah	65Ah	100Ah	100Ah	110Ah
4	65Ah	65Ah	80Ah	110Ah	120Ah	150Ah
5	65Ah	80Ah	100Ah	150Ah	150Ah	200Ah
6	80Ah	100Ah	100Ah	200Ah	200Ah	250Ah
		12 hrs Backup BBU M/N: F43-00			24 hrs Backup Third-party BBU	

Product specifications are subject to change without prior notification.