

# CEL-FI<sup>™</sup> QUATRA RED

## Monitor & Battery Backup Unit ERCES Solution

### DATA SHEET

MODEL NUMBERS:  
F42-10S-100  
F42-10L-100



Monitor & Battery Backup Unit  
(MBBU)

The Cel-Fi QUATRA RED Monitor and Battery Backup Unit (MBBU) is the central point of Cel-Fi QUATRA RED ERCES Integrated Public Safety DAS installations. The MBBU provides constant direct current to the rest of the system and offers alarming, monitoring, and battery charging capabilities. With an integrated wireless LTE modem, the MBBU provides remote monitoring and management of all system components via the Cel-Fi WAVE Portal. The unit is also NEMA 4 rated, listed to UL 2524 and available in two size versions for optimizing power requirements and installation cost.

## Key Features

- Provides Direct Constant Current via PoE to all Active Components and Accessories, including Cel-Fi QUATRA RED Network Unit (NU) and Coverage Unit (CU) as well as Cel-Fi RED Remote Annunciator Panel (RA), Emergency Power-Off Switch (EPO), and Active Server Antennas
- Supports Automatic Supervisory Signals for Malfunction of ERCES
- End-to-End Remote System Monitoring and Management via Built-in LTE Modem and Cel-Fi WAVE Portal
- Listed to UL 2524 and FCC Part 15 Compliant
- NEMA 4 Enclosure



### Physical Specifications

MONITOR & BACKUP UNITS	SMALL	LARGE	EXTRA LARGE
Part Number	F42-10S-100	F42-10L-100	F42-10X-100
Enclosure Size (in) WxHxD	29.53 x 25.79 x 11.02	30.91 x 29.33 x 14.69	55.12 x 34.37 x 24.41
Weight Without Batteries	55.12 lbs	66.14 lbs	88.18 lbs

### Power

Input Voltage	110 VAC
Output Voltage	54 VDC

### Environmental

Operating Temperature	32°C – 122°F
Operating Humidity	95%

### Connections

LAN Port	RJ45
Port Capability	10 Mbps
PoE Port Power	10W
Antenna Port	SMA



### Supported Alarms

- Normal AC power
- Battery Charger Fail
- Donor Antenna Disconnection
- System Component Malfunction
- Loss of Normal AC power
- Low Battery Capacity @ 30% of Capacity
- Active RF Emitting Device Malfunction
- Donor Antenna Malfunction

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