

CEL-FI™ QUATRA RED

Monitor & Battery Backup Unit

DATA SHEET

MODEL NUMBER:
F42-10S-100
F42-10L-100
F42-10X-100

The Monitor and Battery Backup Unit is the central point of the Cel-Fi QUATRA RED system. It provides constant direct current, alarming, monitoring and battery charging capabilities. Integrates a wireless LTE modem and a wired Ethernet port for remote access to all the components via the Cel-Fi WAVE portal or the WAVE PRO app. Is NEMA 4 rated and UL2524 compliant. Two versions available to optimize power requirements and installation cost.



MBBU

Key Features

- Provides direct constant current to all the active components in the system including the Remote Annunciator Panel (RA) and the Emergency Power-off Switch (EPO) via PoE
- Supports automatic supervisor signals for malfunction of the ERRCS
- LTE modem built-in and integrated LAN Port for remote monitoring of the entire system
- UL 2524 and FCC part 15 compliant
- NEMA-4 enclosure

Use Cel-Fi WAVE PRO

mobile app for seamless integration and configuration of the Cel-Fi QUATRA RED product line.



Physical Specifications

MONITOR & BACKUP UNITS	SMALL	LARGE	EXTRA LARGE
Part Number	F42-10S-100	F42-10L-100	F42-10X-100
Enclosure Size (mm)	230 x 710 x 355	178 x 690 x 200	270 x 522 x 245
Weight without batteries	25 kg	30 kg	40 kg

Power

Input voltage	110 VAC
Output voltage	54 VDC

Environmental

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

Connections

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



(front view)



(side view)



(top view)

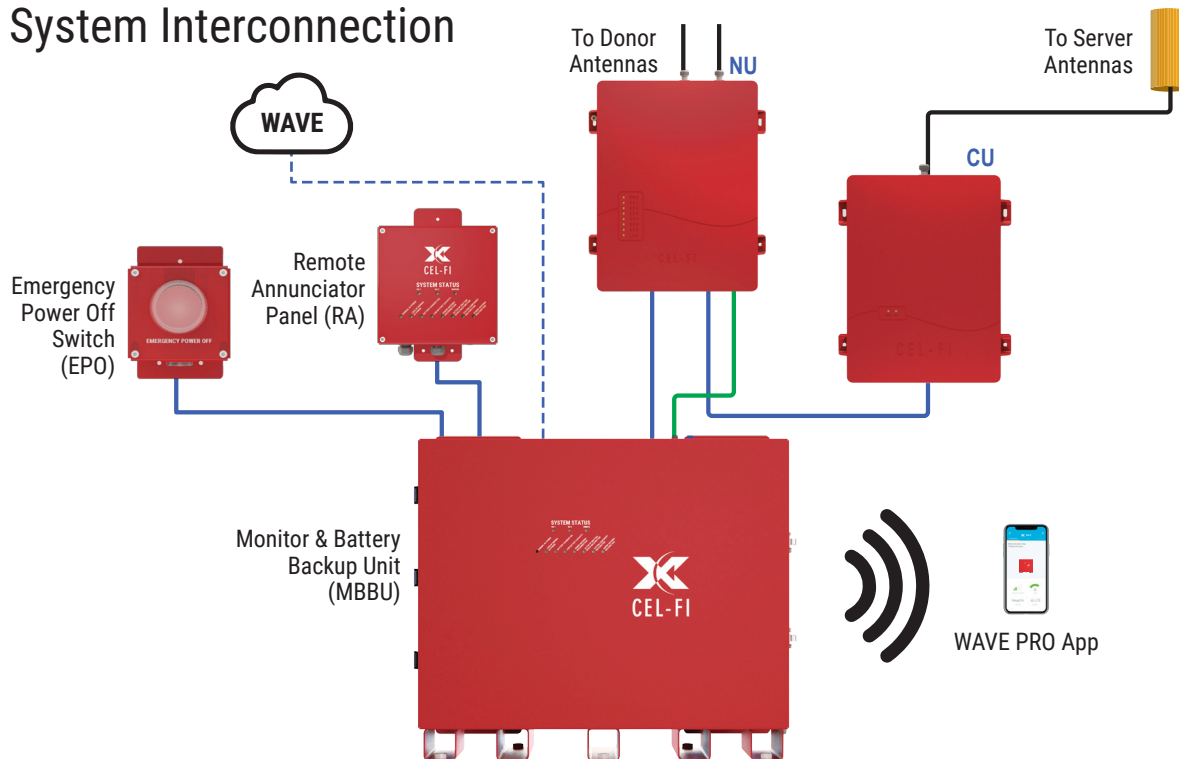
Supported Alarms

- 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

Battery Backup Capacity

#CU	LMR Single Band	LMR Dual Band	LMR + LTE	LMR Single Band	LMR Dual Band	LMR + LTE
1	40Ah	40Ah	40Ah	50Ah	45Ah	65Ah
2	40Ah	45Ah	45Ah	65Ah	80Ah	100Ah
3	45Ah	50Ah	65Ah	90Ah	100Ah	110Ah
4	65Ah	65Ah	80Ah	110Ah	120Ah	150Ah
5	65Ah	80Ah	100Ah	150Ah	150Ah	200Ah
6	80Ah	90Ah	100Ah	200Ah	200Ah	250Ah
12 hrs Backup			24 hrs Backup			

System Interconnection



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