

# CommBatt1

NFPA Compliant BDA Power and Battery Charger System



Altronix CommBatt1 is an in-building power and battery backup solution for emergency response radio coverage system. Designed and engineered to meet NFPA 1225 codes providing integrators and consultants with a BDA power and backup option.



CommBatt1

## Specifications

### Input

Voltage	115VAC-220VAC 50/60Hz, 2A
Input Fuse	5A/250V

### Outputs

Voltage	12VDC or 24VDC
Current	

#### UL2524 Specifications:

24V @ 5.5A total or 12V @ 9A total current

#### UL864/ULC-S527 Specifications:

24V: 3.5A standby, 6A alarm  
12V: 3.5A standby, 12A alarm

Auxiliary	Power-limited @ 0.6A (unswitched)
Other	Overvoltage protection. Filtered and regulated

### Back-up Battery

Type	Sealed lead acid or gel type Two (2) 55AH batteries in series for 24V, One (1) or two (2) in parallel for 12V 12AH option for UL864
Charge Current	3A for 12V and 2A for 24V
Fuse Rating	20A/32V
Failover	Upon AC loss, instantaneous

### Supervision (Form "C" Contacts)

AC:	Failure/Brownout
Battery:	Low Battery/Battery Presence/Battery fail
Component Trouble:	Critical Component Failure
Ground Fault	
Charger Circuit Failure	
FACP Reporting	

### Indicators

Ground Fault	Ground Fault Detection
Component Failure	Critical Component Failure
Battery	Low or missing battery
AC Input	AC Brownout or failure
Charger	Charger trouble
Heartbeat	Processor failure
Critical Failure	Wrong voltage, shutdown indicator

### Agency Listings

#### UL/CUL:

UL2524	Standard for In-building 2-Way Emergency Radio Communication Enhancement Systems
UL864	Standard for Control Units and Accessories for Fire Alarm Systems
CAN/ULC-S527 Fourth Edition, 2019	Control Units for Fire Alarm Systems

### Physical and Environmental

NEMA-4, UL Listed aluminum red powder coated wall mount enclosure with IP 65 battery vent and locking door, IP-68 cable entries

#### Dimensions (H x W x D)

26" x 19.7" x 8" (660.5mm x 500mm x 203mm)

#### Weight (approx.)

Product:	33 lb. (15 kg)
Shipping:	40 lb. (18.15 kg)

#### Temperature

Operating	0°C to 49°C (32°F to 120°F).
Storage	-20°C to 70°C (-4°F to 158°F)

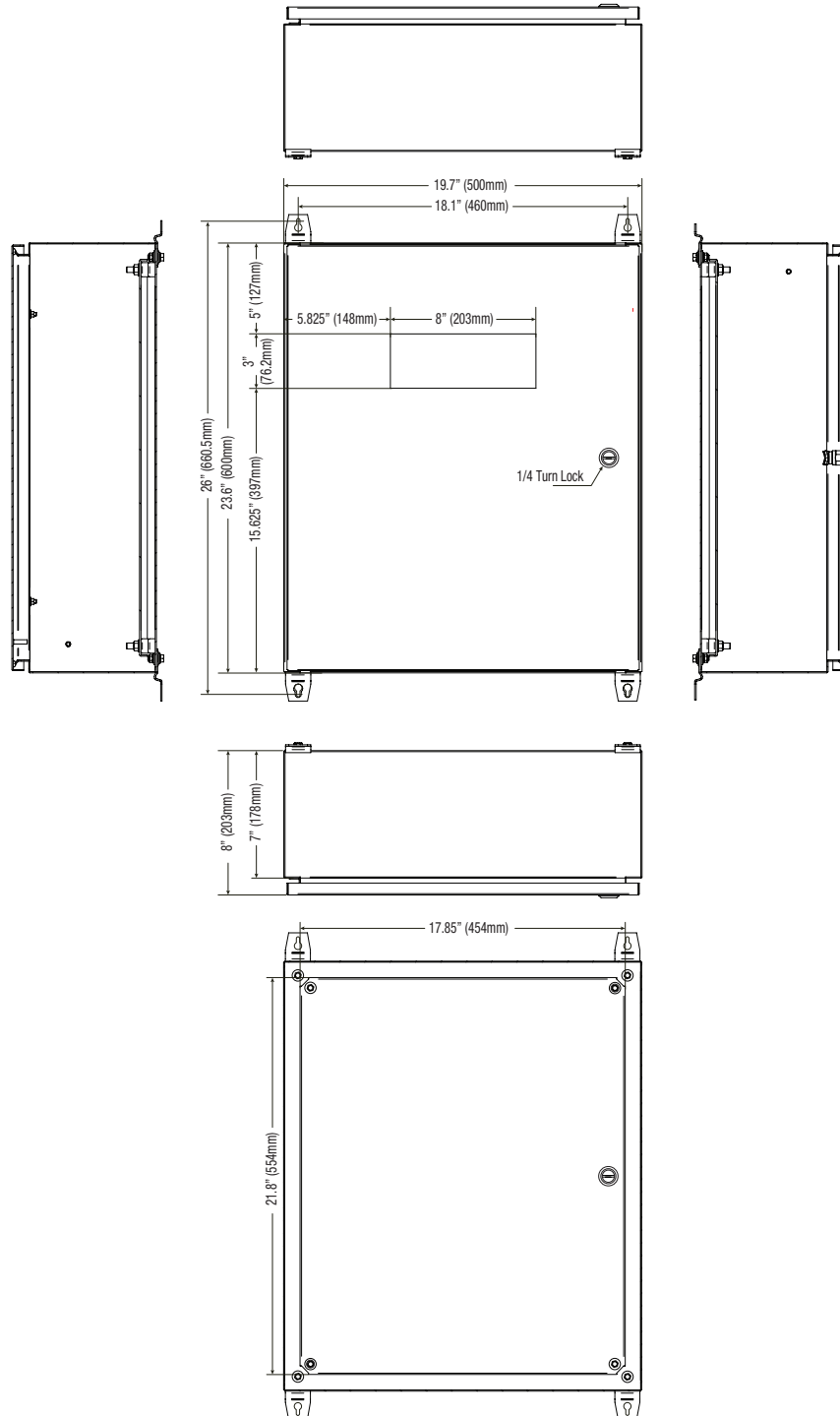
Relative Humidity	85% +/- 5%
BTU/Hr. (approx.):	74 BTU/Hr.

### Lifetime Warranty

**Dimensions and Drawing**

Dimensions (H x W x D approximate)

26" x 19.7" x 8" (660.5mm x 500mm x 203mm)



**Lifetime Warranty**