

GUARDIAN



TQ-BBU

In-building power and battery backup solution
UL2524 Listed

FEATURES

- UL2524/UL864/ certified
- Built-in charger
- Visual Indicators



TQ-BBU is an in-building power and battery backup solution for emergency response radio coverage system. Designed and engineered to meet NFPA 1221 codes providing integrators and consultants with a BDA power and backup option.

Specifications:

Agency Listings:

- **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.

Input:

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

Output:

- 12VDC or 24VDC regulated output.
- UL2524 Specifications:
24V @ 5.5A total or 12V @ 9A total current.
- UL864/ULCS527 Specifications:
24V: 3.5A standby, 6A Alarm
12V: 3.5A standby, 12A alarm.

Supervision (Form "C" contacts relays):

- Built-in charger for sealed lead acid or gel type batteries.
- Up to four (4) 55AH batteries in series/parallel for 24V, one (1) to three (3) in parallel for 12V.
- Automatic switch over to stand-by battery when AC fails.
- Battery Fuse Rating: 25A/32V.
- Maximum charge current 3A for 12V and 2A for 24V.
- Low Battery Power Shutdown:
 - Shuts down DC output terminals if battery voltage drops below 5% for 12V or 24V settings.
 - Prevents deep battery discharge.

Battery Backup:

- 10 bicolor visual indicators of trouble conditions visible through the observation window of the enclosure.

Visual Indicators: (See LED Diagnostics Table):

- Normal AC Power
- Loss of Normal AC Power
- Heartbeat
- Low Battery
- Battery Charger Failure
- Ground Fault
- Component Fail

Enclosure Dimensions: (H x W x D):

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

Ordering Information

Model	Description	Stock No.
TQ-BBU	BDA Power Supply, UL2524 Listed 12/24/120/220V	3996143