

XL2411

Securaplane's XL2411 Emergency Battery is a maintenance-free replacement for existing "wet" Nickel-Cadmium 1/2 ATR Batteries. These 1/2 ATR Ni-Cads are currently used in a wide range of applications from IRS' on Gulfstream and Challenger business jets to commercial airlines for INS back-up on 747's.

The XL2411 is based on Hawker "pure lead" Sealed Lead Acid (SLA) technology. It needs no regular maintenance, may be stored for up to 12 months without recharging (when stored at 60° to 72° F), and includes a built-in battery testing capability which allows the operator to check the battery energy level *without removing it from the aircraft*.

Securaplane's Emergency Battery History

Securaplane's first Sealed Lead Acid-based emergency battery was the XL246-S, designed to replace the Ni-Cad based battery on the G-IVSP. The Ni-Cad battery had a historic MTBF of less than 2,000 hours. The Securaplane unit, which is demonstrating over 27,000 hours MTBF (batteries included) was chosen as the standard production emergency battery on all Gulfstream G-IVSP's in 1994. Likewise, the G-V uses a Securaplane SLA battery for all emergency battery applications.

Applications:

IRS/INS Backup Power, Avionics Backup Power, Emergency Lighting, Emergency Bus Backup.

Advantages:

- No Deep Cycling
- No "Memory" Characteristics
- Low Cost Battery Replacement.
- **Batteries:** Hawker Sealed Lead Acid Batteries provide excellent performance, even in extreme conditions. Battery compartment allows easy battery change by maintenance shops. Up to 12 months storage capability and no scheduled maintenance.
- **Battery Test:** Battery test function places a known load on the battery and measures the terminal voltage under load. SLA batteries are the only reasonably priced batteries capable of providing such an accurate energy test.
- **Warranty:**
30 months on batteries
5 years on electronics

No need to remove batteries to perform capacity check.

PMA'd Replacement for:

Marathon CA-154-1
Marathon CA-154-2
SAFT 12101

Also designed to replace:

Marathon CA-154-3A

Note: Like the batteries listed above, the XL2411 does not include a self-contained charger. An external charger is recommended.



XL2411
P/N 100-1048-01

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Physical Characteristics:

- Part Number: 100-1048-01
- Size: 1/2 ATR Short (4.875" x 12.5" x 8")
- Weight: 28.5 lb max.
- Qual: DO160-C
4(F2), 5(A), 6(B), 7, 8(C), 16(Z), 17(A), 20(R),
21(Z), 22(A3C3)

Connectors:

- Box Connector Receptacle
DPXBME-8-34P0001
- Rack Connector
DPXBME-8-33S0001

Electrical Characteristics:

Input: 26-30 VDC (28 VDC nominal), 20A max.

Single Output: 24VDC, 0-20A

Capacity: 10.5 amps at 1 hour discharge rate.

Information subject to change.
Please contact Securaplane for current data.

Other Securaplane Emergency Batteries:

The XL246-A Emergency Battery System

- P/N 100-0202-01
- Direct replacement for ACME AMPS 2000
- Over 650 units in service
- Current MTBF greater than 54,200 hours

The XL245 Falcon Series of Batteries:

- XL245-A P/N 100-0540-02
Replaces SAFT 135687/131835
- XL245-B P/N 100-0540-03
Replaces SAFT 783543
- XL245-C P/N 100-0540-04
Replaces SAFT 785229

Main Connector Pinout

J1 Pin	Description
1	+28 VDC Input / +24VDC Output
2	+28 VDC Input / +24VDC Output
3	No Connection
4	Chassis
5	Temperature Sensor Output
6	No Connection
7	Return
8	Return

