

Sealed lead acid batteries

XL246A emergency battery systems



Securaplane's emergency batteries are designed for long life, high reliability and convenience.

The XL246-A is an emergency battery system providing 6 amps of power at 18 to 24VDC. This unit is available and PMA'd on Canadair Challenger 601-3A/3R, Falcon 50, Gulfstream G-III, MD-80, and 747-100, -200, -300 as well as many other aircraft types. The XL246-A is a direct replacement for the ACME AMPS 2000 on all these aircraft types.

Batteries

Our "pure lead" sealed lead acid (SLA) batteries provide excellent performance in extreme conditions. They can be stored for six months and require no scheduled maintenance.

Battery charger

Built-in battery charger automatically switches between bulk and temperature-compensated constant voltage charge mode. The charger protects the batteries from overheat and overload.

Battery test

No need to remove batteries to perform energy level check; battery test function indicates battery low, mid, or full.

Diagnostics

Continuous built-in test monitors charge/control logic, battery cell voltage and battery heater circuit.

Environmental control

Thermal blanket automatically controls battery ambient temperature to maximize performance.

Key features

- "Pure lead" SLA batteries
- Built-in battery charger
- Built-in battery test
- Diagnostics and BITE
- Environmental control

Key benefits

- No need to remove from aircraft for capacity check.
- No deep cycling
- No "memory" characteristics
- Low cost battery replacement
- Warranty
 - Three years on batteries
 - Five years on electronics

Installations

- Challenger 601-3A/3R
- Falcon 50
- Gulfstream G-III
- MD-80
- 747-100, -200, -300

Securaplane

Our product competencies and services:

Aircraft security systems | Airborne video cameras | Aircraft batteries | Battery chargers | Inverters | Converters | Wireless integration

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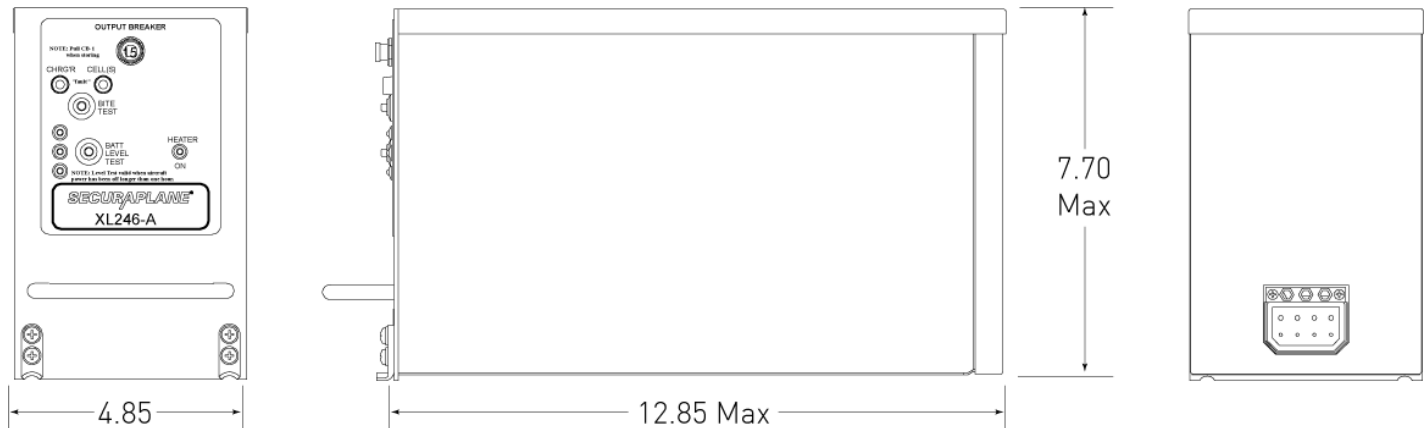
MEGGITT
smart engineering for
extreme environments



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Specifications



Specification subject to change.
Images for illustration only.
Please contact Securaplane for installation data

Physical characteristics

Part number

100-0202-01 (15 amp)
100-0202-02 (10 amp)

Size

ARINC 404, 1/2 ATR short. (8.63 x 4.85 x 12.85 inches)

Box connector

ARINC 404 DPXBMA-D8P-34B Cannon or equivalent

Qualification

DO-160 -55 to + 71° C (55,000 ft)

Weight

18.6 lbs (max)

Mounting

1/2 ATR short tray

Cooling

Convection (no forced air)

Power characteristics

Input power

- 20-35 VDC (28 VDC nominal), 10 Amps maximum

Output power (at 60° F or above)

- 18-24 VDC
- 200W for 45 minutes (2.9 ohm load)
- 6A for one hour (minimum)
- 15A maximum (-01 unit)
- 10A maximum (-02 unit)

Battery pack

24 VDC 6Ah (at 1 hour rate). Sealed lead acid (dry).

Battery heater

28 VDC (from A/C Bus) 2.8A when "on" below 60° F

Securaplane

12350 N Vistoso Park Road
Oro Valley AZ 85755
USA

Tel: +1 (520) 297 0844
Fax: +1 (520) 498 4924

www.securaplane.com
www.meggitt.com