

Sealed lead acid batteries

XL244D emergency battery system



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

The XL244D emergency battery system is a direct replacement for JET Electronics' PS-835 series emergency batteries. Featuring field-proven sealed lead acid batteries, battery level test, and built-in precision charging system, the XL244D is the answer for aircraft operators demanding battery maintenance reduction.

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 level low or OK.

Environmental control

Thermal blanket automatically controls battery ambient temperature to maximize performance.

Instrument lighting output

The XL244D incorporates a separate, externally adjustable converter output (2.0 to 7.0 VDC, 10 watt) suitable for cockpit lighting applications.

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

Applications

- IRS/INS/2" & 3" standby attitude reference
- System back-up power
- Emergency lighting power
- Bus "hold-up" during engine start
- Communications back-up power
- Replaces all JET electronics PS-835 series emergency battery models with no AC output.

Securaplane

Our product competencies and services:

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

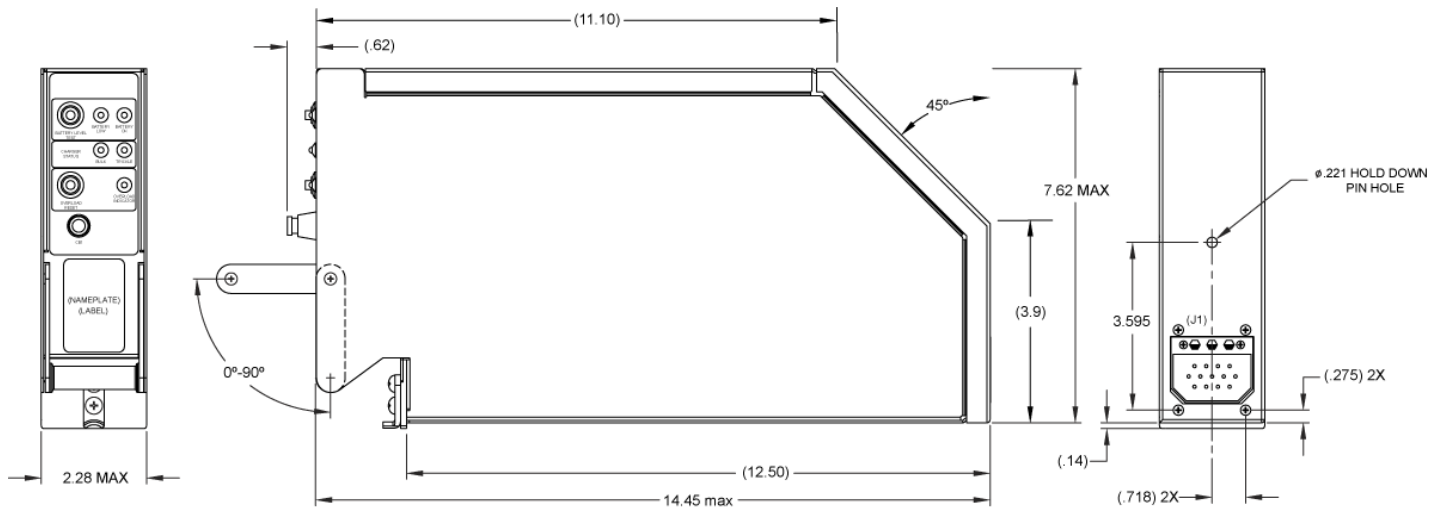
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extreme environments

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Specifications



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

Physical characteristics

Part number

100-1067-04

Size

ARINC 404, ¼ ATR — 7.62 x 2.3 x 14.45 inches [max]

Connector

ARINC 404 DPXB-13-34P-0101

Mating connector

DPXB MA-13-33S-0001 [or equivalent]

Qualification

DO-I60E

Weight

11 lbs

Transportation

Dry cell classification by DOT

Functional characteristics

Input power

18-32 VDC (28 VDC nominal), 10A maximum
(charger + lighting + heaters).

Battery

Output at 18-24 VDC 3.8 amps at 1 hour discharge rate;
4.5 amps at 45 minute discharge rate.

Lighting converter output

Externally adjustable 2.0 to 7.0 VDC, 2A maximum

Signal input

Cockpit test switch initiates battery capacity test from cockpit.

BIT output

Indicates battery energy level above approximately 70%.

Electrical compatibility

The XL244's electrical interface to the aircraft's existing wiring is identical to the interface presented by JET PS-835 emergency battery packs, using the same qualified electrical connector (ARINC 404 DPXB-13-34P-0101), and identical connector pin functions.

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

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 smart engineering for
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