

Emergency Battery Power Supply

TS32

Manufactured by Mid-Continent Instrument Co., Inc.

The TS32 Emergency Battery Power Supply (EBPS) provides reliable DC power for critical equipment and emergency lighting in the event of main aircraft power failure. It is a direct replacement for Radiant RPS1-A / B, Bruce Industries 100865, and Collins D717-01-100 power supplies on Bombardier Challenger 300, 350 and CRJ Series, Embraer ERJ, Boeing 737, and Airbus A310 aircraft.



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The TS32 significantly shortens maintenance timelines, reduces cost, and lasts longer than competing units, with a useful life of 4–6 years, 2 years longer than competing units, and a 2-year, on-wing capacity check with no removal required.

The TS32 EBPS is equipped with a rechargeable battery pack that does not require refrigeration, is easy to remove, and can quickly be replaced in the field without any tools.

It features Nickel Metal Hydride (NiMH) battery technology which offers improved performance, battery life, safety, and reduced weight compared to Nickel Cadmium (NiCad). NiMH eliminates memory effect found in NiCad chemistry, allowing for more flexible charging and discharging cycles, and higher cycle life without an impact on capacity.

Product features

CAPACITY	32 watt-hour
RUN TIME	153 minutes @ 2.0A (32Wh capacity)
WEIGHT	1.9 lbs
TECHNOLOGY	Nickel Metal Hydride (NiMH)
INPUT VOLTAGE	16 – 32 VDC
OUTPUT POWER	6.2 VDC nominal, 7 amps maximum
MAINTENANCE SCHEDULE	2 years
BATTERY LIFE EXPECTANCY	4 – 6 years
POWER SUPPLY & BATTERY PACK DIRECT REPLACEMENT	Radiant RPS1-A / B; 2013-1A Bruce Industries 100865; 2013-BR Collins D717-01-100; D717-02-001
RECHARGING	Can be fully recharged or maintain existing full charge via the aircraft's primary power bus
DESIGNED AND MANUFACTURED	Wichita, Kansas, USA
WARRANTY	Two-year limited

Kansas

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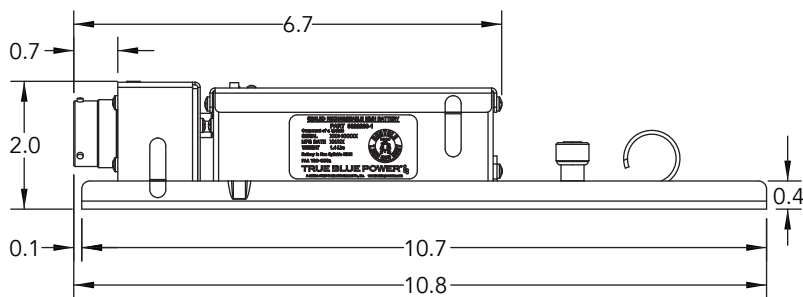
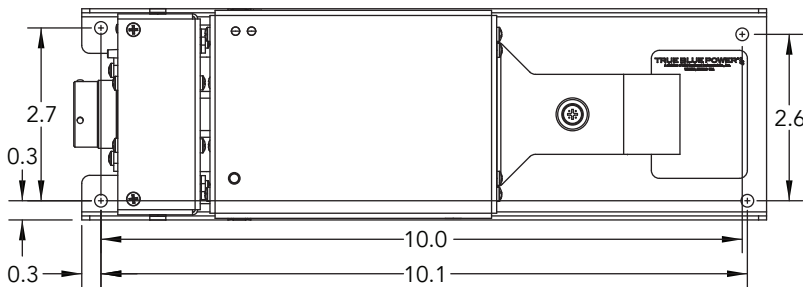
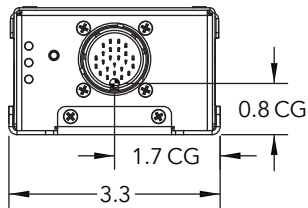
California

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Technical specifications

CAPACITY	32 watt-hour
INPUT VOLTAGE	16 – 32 VDC
OUTPUT POWER	6.2 VDC nominal, 7 amps maximum
WEIGHT	1.9 lbs
TECHNOLOGY	Nickel Metal Hydride (NiMH)
DIMENSIONS	10.8" L x 3.3" W x 2.0" H
BATTERY LIFE EXPECTANCY	4 – 6 years
PROTECTION	Short circuit, under temperature, over temperature, under-voltage, over-voltage, and EMI filtering
MATING CONNECTOR	C48-16R16-24S-100 or MS24266R16B24SN
CASE	Anodized aluminum
CERTIFICATION	FAA TSO-C173a certified RTCA DO-293A qualified RTCA DO-160G qualified