

7638-44

24V, 44Ah

Technical Specifications

Sealed, VRLA, LT Technology



The Teledyne Battery Products 7638-44 is a versatile sealed VRLA aircraft battery compatible with various models on Airbus Helicopters, ATR, Learjet, Bell, Embraer, and many more. It offers robust performance with a nominal voltage of 24V, a capacity of 44Ah at the one-hour rate, and delivers an emergency discharge current at 70A for 30 minutes. With impressive cold-cranking capabilities (1857A IPP/1247A IPR at 23°C (75°F)), this FAA-PMA-approved battery meets stringent industry standards while providing broad compatibility across various aircraft types.

Highlights

TSO Authorized

DO-160E Tested

18 Month/1800 Hour Capacity Check Inspection

2 Year Warranty

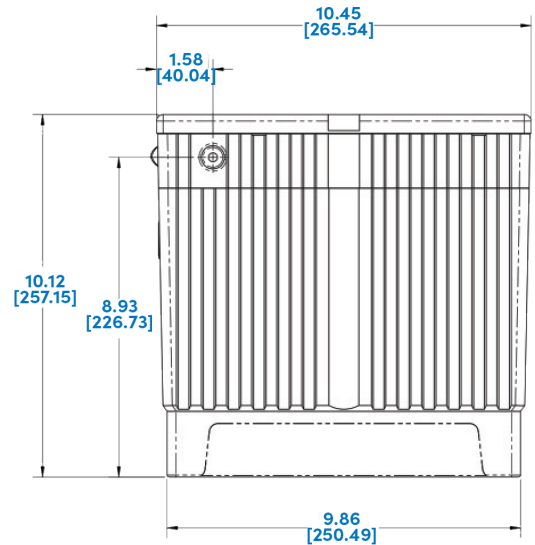
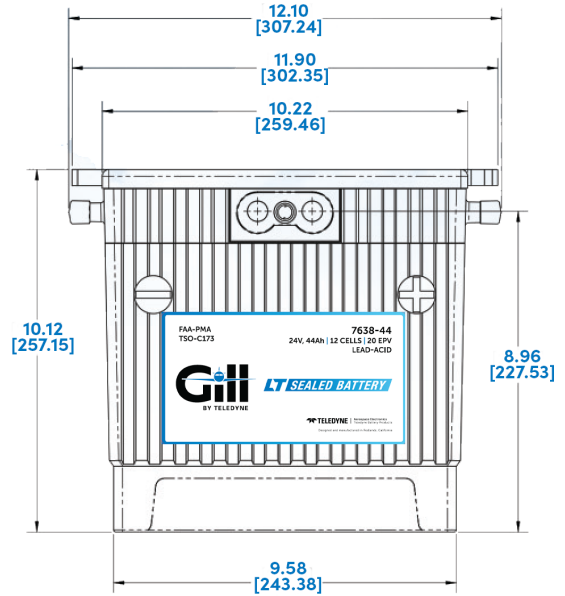
FAA-PMA

Specifications

Nominal Voltage, V	24		
One Hour Capacity, C1, Ah	44		
30 Minute Emergency Rate, C/2, A	70		
Weight	86 lb (39 kg)		
Power Performance	23°C (75°F)	-18°C (0°F)	-30°C (-22°F)
Ipp, A	1857	1677	1411
Ipr, A	1247	1051	948

Certifications		STC Kit
Airbus Helicopters Deutschland GmbH	-EC135 P1, EC135 P2, EC135 P2+, EC135 T1, EC135 T2, EC135 T12+ -MBB-BK 117C-2 (EC145)	-SR00842DE -SR00843DE
ATR-GIE	ATR42-200, ATR42-300, ATR42-320, ATR42-500, ATR72-101, ATR72-102, ATR72-201, ATR72-202, ATR72-211, ATR72-212, ATR72-212A	ST02886NY
Leonardo S.p.A. (Formerly Finmeccanica S.p.A.; Agusta Westland S.p.A.; Agusta S.p.A.; Agusta un'azienda di Finmeccanica S.p.A.; Agusta S.p.A., Costruzioni Aeronautiche Giovanni Agusta)	AB139, AW139 (main)	145
Bell Textron Inc	-204B, 205A, 205A-1 -212, 412, 412EP -205B, 222U	-SH2186SO -SH1186SO -NR
Daher Aerospace (Formerly Socata)	TBM-700	NR
Dassault Aviation	Fan Jet Falcon C, D, E, F	SA1215SO
DeHavilland Aircraft of Canada LTD (Formerly Bombardier Inc.)	DHC-8-100, DHC-8-200, DHC-8-300 Series	ST01562NY
Embraer S A (Formerly Empresa Brasileira)	EMB-110P1, EMB-110P2	SA1167SO
Gulfstream Aerospace Corp	-G-159 -G-1159	-SA5525NM -NR
Israel Aircraft Ind. Ltd	-1121, 1121A, 1121B -1123, 1124	-SA1213SO -SA1214SO
Learjet Inc.	-23, 24, 24A, 24B, 24B-A, 24C, 24D, 24D-A, 24E, 24F, 24F-A, 25, 25A, 25B, 25C, 25D, 25F, 28, 29, 35, 35A, 36A -31, 31A, 55, 55B, 55C, 60	-ST1033SO -NR
Lockheed Martin Corp.	1329-23A, 1329-23D, 1329-23E	ST1032SO
Mitsubishi Heavy Industries LTD (Formerly Mitsubishi Aircraft Int'l. Inc.)	MU-2B, MU-2B-10, -15, -20, -25, -26, -26A, -30, -35, -36, -36A, -40, -60	SA1042SO
Pilatus Aircraft LTD	PC-12, PC-12/45, PC-12/47, PC-12/47E	SA00867DE
Piper Aircraft Inc.	PA-31T, PA-31T1, PA-31T2 Series, PA-42, PA-42-720 Series	SA1728SO
Sabreliner Aviation LLC (Formerly Sabreliner Corp., Rockwell Int'l.; North American Rockwell Corp.)	NA265, NA265-20, -30, -40, -60, -65, -70, -80	ST1031SO
Sikorsky Aircraft Corp	-S-76A, S-76C -S-76B	-SR01601NY-D -NR
Textron Aviation, Inc (Formerly Cessna Aircraft Company)	-208, 208A, 208B -425 -500, 501, 550, S550, 551, 560 -525, 525A -650 Series -560XL	-ST01117LA -SA2245SO -SA1051SO -SA01203LA -ST01185LA -NR
Textron Aviation, Inc. (Formerly Beech Aircraft Corp., Raytheon Aircraft Corp.; Hawker Beechcraft Corp.; Beechcraft Corp.)	-65-90, 65-A90, 65-A90-4, 65-A90-1 (JU-21A, U-21A, RU- 21A, RU-21D, U-21G), 65-A90-4 (RU-21E, RU-21H), B90, C90, C90A, C90GT, C90GTi, E90, 99, A100 -B100 -200(A100-1(U-21J)), 200C, 200CT, 200T, A200 (C-12A, C-12C), A200CT (C-12D, FWC-12D, RC-12D, C-12F, RC- 12G, RG-12H, RC-12K, RC-12P), B200, B200C (C-12R, UC-12F, UC-12M, C-12FR), B200CT, B200T, 300, 300LW, B300 (350, 350i) B300C (350C) -400A S/N #RK-98 and after, Hawker 1000, MU-300-10, 400, 400T -99A, 100, A99, A99A, A100, A100A -C90, E90, B99, F90 -200, 200C, 200CT, 200T, B200, B200C, B200CT, B200T, B200GT, B200CGT, 300, B300 (350, 350i), B300C (350C), 390, C90, C90A, C90GT, E90, 1900 -1900C, 1900D	-SA1017SO -SA1018SO -SA1016SO -NR -SA894SO -SA1013SO -SA00889DE -SA02410LA
Twin Commander Aircraft (Formerly Twin Commander Aircraft Corp., Gulfstream Aerospace Corp., Gulfstream American Corp., Rockwell Aero Commander Aircraft)	-680T, 680V, 680W -690, 690A	-SA887SO -SA1059SO

Dimensions (in., [mm])



NR: Not Required