

12v 46Ah Battery

Part Number: SBLFP46

SATEL USA

Mission-Critical Connectivity



Experience unparalleled power with Dakota Lithium’s 35Ah U1-sized battery boasting 46Ah LiFePO4 technology. Triple the power, half the weight, and five times the lifespan of traditional SLA batteries, it offers exceptional performance and value. Ideal for high-draw electronics like fish finders and small trolling motors, it’s equivalent to our 10Ah battery but with 460% more capacity. Optimized for -20°F conditions, it’s a drop-in replacement for U1 35Ah SLA batteries. Backed by an 11-year warranty, it’s your go-to solution for extended power needs in any environment.

SPECIFICATIONS:

11 YEAR WARRANTY

World beating, best in class, eleven year manufacturer defect warranty.

STORAGE CAPACITY

46 ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 46 amp hours. DL LiFePO4 batteries have a flat voltage curve, which means they have a steady power output as the battery discharges. The power output will not dramatically drop like similar sized SLA batteries. You get all the juice down to the last drop.

VOLTAGE

12.8V (Dakota Lithium 12V batteries can be used in series for up to 48V systems)

SIZE

7.6" L x 5.1" W x 6.8" H (194mm x 132mm x 173 mm). U1 size (Group 21)

DROP IN REPLACEMENT SIZE U1 35AH SLA

U1 equivalent for physical dimensions & terminal compatibility.

ENERGY

552 Watt-hours (Wh)

TERMINALS

F12 terminals (posts that screw in) with M6 size bolts. Max torque 15 ft. lbs.

WEIGHT

10.5 lbs (4.75 Kg). 65% lighter than a SLA or lead battery.

LIFECYCLES (BATTERY LIFESPAN)

Up to 80% capacity for 6,000 cycles in recommended conditions. The typical SLA has 500 cycles. Dakota Lithium batteries last so long that the price per use is a fraction of traditional batteries.

OPERATING TEMPERATURE

Ideal for rugged & harsh environments. Much better than SLA or other lithium batteries. -20°F min, +150°F max optimal operating temps (battery performs well down to -20°F). Avoid charging below 32°F. Discharge cut off at -20°F / -20°C. Charge cut off at 23°F / -5°C. BMS high temp cut off at 167°F / 75°C.

DISCHARGE

50 A max continuous discharge. The flat discharge voltage curve provides a 3X bigger capacity than a U1 SLA 35Ah battery.

CHARGE

Recommend for longest life 10A or less (.2C), Max continuous 23A (.5C). 14.4 V recommended, 15 V max, BMS protection from over charging will cut off at 15V. Included is a free 12V 10 Amp (A) LiFePO4 compatible charger that charges at the recommended 14.4 Volts..

INCLUDES ACTIVE BMS PROTECTION

Contains a high discharge capable circuit that handles cell balancing, low voltage cutoff (10V) preventing over discharge, high voltage cutoff (15V) preventing over charging, short circuit protection and temperature protection for increased performance and longer life.

COLD TEMPERATURE CHARGING PROTECTION

No low temperature protection

CERTIFICATIONS

All DL batteries are UN 38 certified. Dakota Lithium’s cells are UL1642 certified and have been tested per IEC62133 standards. Meets all US & International regulations for air, ground, train, & marine transport.

TROLLING MOTOR COMPATIBILITY

Perfect for trolling motors with 30 lbs of thrust or less. For larger 12v motors the DL+ 12V 60Ah battery is recommended. For 24V & 36V trolling motors the single 24V 60 Ah or 36V 60 Ah batteries are recommended.

SUITABLE FOR:

- DEEP CYCLE APPLICATIONS
- MARINE APPLICATIONS
- DROP IN LITHIUM REPLACEMENT FOR U1 35AH SLA BATTERIES
- GARMIN LIVESCOPE
- LOWRANCE FISH FINDERS
- TROLLING MOTORS <30LBS OF THRUST #FISHLONGER
- MOBILITY SCOOTERS
- ELECTRIC WHEEL CHAIRS
- LINK IN SERIES FOR 24 VOLTS