

DAKOTA LITHIUM 12V 100Ah BATTERY



Dakota's robust 12V lithium battery, now in a Group 24 Size housing, boasts LiFePO4 technology for exceptional performance. It offers outstanding value with twice the power, half the weight, and eight times the lifespan of sealed lead acid batteries. The 100Ah capacity supports extended use of high-draw trolling motors or RV adventures. Ideal for deep-cycle needs such as trolling motors, solar energy storage, or boating, it delivers reliable power over time. Equivalent to our 10Ah battery but with 1,000% more capacity, it comes with an 11-year warranty and includes a LiFePO4 charger, ensuring peace of mind and long-term satisfaction.

SPECIFICATIONS:

STORAGE CAPACITY

100 Ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 100 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)

ENERGY

1280 Watt-hours (Wh)

TERMINALS

M8 bolt size. (Max torque 15 ft. lbs.)

SIZE

10.23" L x 6.60" W x 8.66" H (260mm x 169mm x 215mm) (220mm to top of terminal)
Group 24 equivalent.

WEIGHT

27.55 lbs (12.5Kg). That's 60% lighter than a SLA battery.

GROUP SIZE 24

BCI Group Number 24 & Group 24 equivalent / compatible for physical dimensions (L x W x H) & terminal location. Usable deep cycle capacity is much higher (2x) than a lead-acid battery of the same group size. Deep cycle only. Not for starting engines.

LIFECYCLES (BATTERY LIFESPAN)

Up to 80% capacity for 5,000 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's. -20°F min, +120°F max optimal operating temps (battery performs well down to -20°F). Avoid charging below 32°F.

DISCHARGE

100A max continuous, 200A max pulse 10 second pulse. The flat discharge voltage curve provides a 75% bigger capacity than a 100Ah SLA battery.

CHARGE

50A max, 14.4V recommended, 15V max. Included is a LiFePO4 compatible charger. A SLA charger may work, but will reduce performance and lifespan of the battery.

INCLUDES ACTIVE BMS PROTECTION

Contains a circuit that handles cell balancing, low voltage cutoff, high voltage cutoff, short circuit protection and high temperature protection for increased performance and longer life.

CERTIFICATIONS

Dakota Lithium's cells are UL1642 certified and have been tested per IEC62133 and UN 38.3 standards. They meet all US and international regulations for air, ground, and train transport.

ISO 9001:2015

Dakota Lithium is ISO Certified per 9001:2015 standards, and select models are produced in ISO 14001 certified facilities.

NOT FOR STARTING ENGINES

This is a deep cycle 12V battery. Not designed for starting gasoline engines.

SUITABLE FOR:

- TROLLING MOTORS #FISHLONGER
- SOLAR ENERGY STORAGE
- INDUSTRIAL BATTERIES
(BULK PRICING)
- LIFEPO4 REPLACEMENT
FOR SLA 12V
- HOME SOLAR & POWER WALLS
- MARINE APPLICATIONS
- FISH FINDERS, FLASHERS, &
BOATING ELECTRONICS
- RECREATIONAL VEHICLES
- ICE FISHING
- REALLY BIG ROBOTS
- OFF-GRID HOMES
- DEEP CYCLE APPLICATIONS ONLY
- LINKED IN SERIES FOR 36V TROLLING SYSTEM
- ALL FORWARD FACING SONARS