

GO FURTHER. LAST LONGER. PLAY HARDER.

# DAKOTA LITHIUM®

2024/2025 CATALOG



📷 DUANE HJELM  
🔋 3X DL+ 12V 135Ah  
1X DL+ 12V 320Ah BATTERY

# HALF THE WEIGHT. TWICE THE POWER.

All **Dakota Lithium** batteries are engineered with Lithium Iron Phosphate technology (LiFePO<sub>4</sub>), providing long lasting performance in the harshest environments.

Allowing you to go further, last longer,  
and play harder.

## 11 YEAR WARRANTY

**Dakota Lithium** offers a best-in-class  
11-year pro-rated warranty on all of our batteries.



© RILEY LOCKETT  
DL+ PB 60

# UNRIVALED POWER. UNRIVALED RELIABILITY.

## UNRIVALED ENERGY DENSITY - 6X THE USABLE POWER - MOST POWER PER CUBIC INCH

- The DL+ 12v 315Ah battery is the same size as a 12V 100Ah AGM battery. That is 6X the usable capacity per cubic inch of battery. Plus both deep cycle and engine starting performance.
- The DL+ 135Ah has 5X the power of traditional batteries in a case that is 25% smaller than a 100Ah marine battery. in lieu of the same size as a group 24 - 12v 50Ah AGM battery. That is 5X the usable power plus both deep cycle and engine starting performance (Mercury Motors, ABYC compliant)

## UNRIVALED RELIABILITY - THE LONGEST LASTING LITHIUM BATTERY

- 5 - 10X the reliability and lifespan of traditional batteries.
- Ruggedized dual purpose BMS for high performance and longer lifespan. Both deep cycle & engine starting.

## UNRIVALED SAFETY & VERSATILITY - BOTH DEEP CYCLE & ENGINE STARTING POWER

- Advanced Battery Management System (BMS) protection circuit ensures safety at every use and every charge, including temperature protection and internal even heat technology for charging in freezing weather conditions.
- Ruggedized Dakota Lithium Plus dual purpose BMS provides both deep cycle performance and 1,000 cold cranking amps of engine starting power.
- Safest lithium battery chemistry - Lithium Iron Phosphate (LiFePO<sub>4</sub>). Dakota Lithium engineers exclusively with lithium iron phosphate technology.
- Dakota Lithium is an ISO 9001:2105 certified company. Industry leading quality control, manufacturing, and technical support.

## 11-YEAR WARRANTY

- Best in class 11 year full replacement warranty on all Dakota Lithium batteries.



AMERICAN INNOVATION & USA-BASED SUPPORT • EST. 2008



# DAKOTA LITHIUM 12V 7Ah BATTERY



Crafted from durable Lithium Iron Phosphate (LiFePO<sub>4</sub>) technology, the Dakota battery boasts a 2,000-charge cycle lifespan, outlasting SLA batteries fivefold. With 100% more capacity and 60% less weight, it's rated at 7Ah, which is ideal for industrial or outdoor use. Designed for longevity and rapid charging, it's the smallest and lightest in our range. Bulk discounts are offered for orders of 2+. For optimal performance, use a LiFePO<sub>4</sub> charger.

## SPECIFICATIONS:

### 11 YEAR WARRANTY

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

### SIZE

5.94" L x 2.55" W x 3.74" H (151x65x95mm).  
Replaces UB1280 battery and many others.

### WEIGHT

2 lbs (1.06 Kg). That's 60% lighter than a SLA battery.

### CAPACITY

7 Ampere hours. Dakota Lithium batteries provide consistent power for all 7 Amp hours. DL LiFePO<sub>4</sub> 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.

### LIFECYCLES (BATTERY LIFESPAN)

Up to 80% capacity for 2,000 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.

### TERMINALS

Standard F2 terminals (6.35mm or 0.25" wide)

### DISCHARGE

10A max continuous, 50A max 300 mS pulse. 9.0V max discharge, 11.0V max recommended discharge. For longest lifetime recommended discharge rate 1-5 Amps. The flat discharge voltage curve provides a 75% bigger capacity than a 7Ah SLA battery.

### CHARGE

10A max, 14.4V recommended, 14.8V max. Please note: this battery should be charged using a LiFePO<sub>4</sub> 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

All batteries are UN38 certified. Dakota Lithium's cells are UL1642 certified and have been tested per IEC62133 standards. Meets all US & 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.

### CHARGER SOLD SEPARATELY

This battery should be charged using a LiFePO<sub>4</sub> compatible charger. Dakota Lithium 12V batteries should be charged at 14.4 volts, higher than AGM or lead acid. Lead acid chargers will work, but will only charge the battery to 80% of capacity.

## SUITABLE FOR:

- HIKING, CAMPING, & OUTDOORS
- REPLACEMENT FOR SLA 12V
- FISH FINDERS & FLASHERS
- INDUSTRY
- ROBOTICS
- SOLAR LIGHTING
- E-SCOOTERS
- HOME ALARM SYSTEMS
- EXTREME TEMPERATURES

# DAKOTA LITHIUM 12V 10Ah BATTERY



Dakota's 12V lithium battery, fortified with Lithium Iron Phosphate (LiFePO4) tech, delivers superior performance. With twice the power and half the weight, it outlasts sealed lead acid batteries fourfold, ensuring lasting value. Ideal for fishing electronics, outdoor gear, and SLA replacements, it's compatible with UB1280 and more. Recommended for use with a LiFePO4 charger, it has an 11-year warranty.

## SPECIFICATIONS:

### 11 YEAR WARRANTY

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

### SIZE

5.94" L x 2.55" W x 3.78" H (151mm x 65mm x 96mm)  
Replaces UB1280 battery

### WEIGHT

2 lbs 12.32 oz (1.25 Kg). That's 60% lighter than a SLA battery.

### CAPACITY

10 Ampere hours. Dakota Lithium batteries provide consistent power for all 10 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.

### 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.

### TERMINALS

Standard F2 terminals (6.35mm or 0.25" wide)

### DISCHARGE

20A max continuous, 50A max 300 mS pulse. 9.0V max discharge, 11.0V max recommended discharge. For longest lifetime recommended discharge rate 1-5 Amps. The flat discharge voltage curve provides a 75% bigger capacity than a 10Ah SLA battery.

### CHARGE

10A max, 14.4V recommended, 15V max. Please note: this battery should be charged using 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

All batteries are UN38 certified. Dakota Lithium's cells are UL1642 certified and have been tested per IEC62133 standards. Meets all US & 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.

### CHARGER SOLD SEPARATELY

This battery should be charged using a LiFePO4 compatible charger. Dakota Lithium 12V batteries should be charged at 14.4 volts, higher than AGM or lead acid. Lead acid chargers will work, but will only charge the battery to 80% of capacity.

## SUITABLE FOR:

- FISH FINDERS, FLASHERS, & BOATING ELECTRONICS
- ICE FISHING
- LIFEPO4 REPLACEMENT FOR SLA 12V
- ELECTRIC VEHICLE ACCESSORY BATTERY
- INDUSTRIAL BATTERIES
- SCOOTER BATTERIES
- SOLAR LIGHTING
- ROBOTICS
- HIKING
- CAMPING
- REMOTE POWER
- OUTDOOR ADVENTURES



# DAKOTA LITHIUM 12V 20Ah BATTERY USB



Crafted for Dakota winters, this 12V 20Ah lithium battery delivers robust performance in a compact size. Housed in a 12Ah SLA case but featuring 20Ah LiFePO4 technology, it triples power, halves weight, and lasts eight times longer than its SLA counterpart. Ideal for cold climates with optimal performance down to -20°F. With enough capacity for full-day power, it's perfect for high-draw electronics like Garmin fish finders or ice augers. Offering 100% more capacity than its predecessor, it's a drop-in replacement for 12Ah SLA batteries. Version 2.0 includes a voltmeter and USB charging ports. LiFePO4 charger is recommended for best results.

## SPECIFICATIONS:

### 11 YEAR WARRANTY

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

### CAPACITY

20 Ampere hours. Dakota Lithium batteries provide consistent power for all 20 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, especially in cold temperatures. You get all the juice down to the last drop.

### VOLTAGE

12.8V

### ENERGY

256 Watt-hours (Wh)

### TERMINALS

F2 Terminals (spade socket). When used in salt water, or corrosive, environments we recommend applying a small amount of dielectric grease on the blades of each terminal. It helps extend the lifespan.

### USB / VOLTMETER

USB A & C ports provide easy charging for personal electronics. Voltmeter included for monitoring battery power levels. USB C tested at 12V, 2A max.

### SIZE

5.9" x 3.94" x 3.86" (151mm x 100mm x 99mm)

### WEIGHT

4.25 lbs (1.93Kg) That's 65% lighter than a SLA battery.

### 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

10A continuous, 20A max. Note: For small trolling motors, we recommend using our 12v 54Ah battery to maximize your time on the water.

### CHARGE

10A max, 14.4V recommended, 15V max. Please note: this battery should be charged using 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.

### SERIES OR PARALLEL

BMS can support wiring these batteries in series or parallel for up to 4 units (up to 48V series or to 12V 80Ah parallel)

### CERTIFICATIONS

All batteries are UN38 certified. Dakota Lithium's cells are UL1642 certified and have been tested per IEC62133 standards. Meets all US & 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.

### CHARGER SOLD SEPARATELY

This battery should be charged using a LiFePO4 compatible charger. Dakota Lithium 12V batteries should be charged at 14.4 volts. Lead acid chargers will work, but will only charge the battery to 80% of capacity.

## SUITABLE FOR:

- FISH FINDERS, FLASHERS, & BOATING ELECTRONICS
- GARMIN FISH FINDERS
- ICE FISHING
- LIFEPO4 REPLACEMENT FOR SLA 12V
- MOBILITY SCOOTERS
- 24V ELECTRIC BIKES & SCOOTERS
- INDUSTRIAL BATTERIES
- ROBOTICS
- HUNTING, CAMPING, AND TRAIL CAMERAS
- REMOTE POWER
- OUTDOOR ADVENTURES
- 6-DZM-12 BATTERY EQUIVALENT
- 12V 12AH SLA EQUIVALENT SIZE





# DAKOTA LITHIUM 12V 23Ah BATTERY



Dakota Lithium 12V 23 battery delivers substantial power in a compact design. Featuring USB 3.0 waterproof plugs, F2 Terminals, and a built-in voltmeter, it ensures freedom, power, and reliability in extreme conditions. Built from legendary LiFePO4 cells, it offers double the power, one-third the weight, and five times the lifespan of traditional batteries, backed by an 11-year warranty. Optimized for -20°F conditions, its 23Ah capacity supports extended use of high-draw electronics like Garmin fish finders. With USB ports for easy charging, it's equivalent to the performance of the 10Ah battery but with 130% more capacity. LiFePO4 charger is recommended for best results.

## SPECIFICATIONS:

### 11 YEAR WARRANTY

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

### CAPACITY

23 Ampere hours. Dakota Lithium batteries provide consistent power for all 23 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, especially in cold temperatures. You get all the juice down to the last drop.

### VOLTAGE

12.8V

### ENERGY

276 Watt-hours (Wh)

### TERMINALS

F2 Terminals (spade socket). When used in salt water, or corrosive, environments we recommend applying a small amount of dielectric grease on the blades of each terminal. It helps extend the lifespan.

### DUAL USB PORTS

Two USB 3.0 charging ports are built into the battery, allowing for easy charging of phones & personal electronics

### VOLTMETER

Voltmeter is built into the battery, allowing for easy real time state of charge readings

### SIZE

5.94"L x 5.11"W x 3.8"H (152mm x 130mm x 99mm). Same length and height as a 12Ah 12V SLA Batteries, wider by 1.5 inches.

### WEIGHT

6 lbs (2.7Kg). That's 70% lighter than a SLA battery.

### 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

12A max continuous, 20A max pulse (<3 sec). The flat discharge voltage curve provides a 75% bigger capacity than a SLA 23Ah battery.

### CHARGE

12A max, 14.4V recommended, 15V max. Please note: this battery should be charged using 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.

### SERIES OR PARALLEL

BMS can support wiring these batteries in series or parallel for up to 4 units (up to 48V series or to 12V 72Ah parallel)

### CERTIFICATIONS

All batteries are UN38 certified. Dakota Lithium's cells are UL1642 certified and have been tested per IEC62133 standards. Meets all US & 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.

### CHARGER SOLD SEPARATELY

This battery should be charged using a LiFePO4 compatible charger. Dakota Lithium 12V batteries should be charged at 14.4 volts, higher than AGM or lead acid. Lead acid chargers will work, but will only charge the battery to 80% of capacity.

## SUITABLE FOR:

- FISH FINDERS, FLASHERS, & BOATING ELECTRONICS
- GARMIN FISH FINDERS
- ICE FISHING
- LIFEPO4 REPLACEMENT FOR SLA 12V
- MOBILITY SCOOTERS
- 24V ELECTRIC BIKES & SCOOTERS
- INDUSTRIAL BATTERIES
- ROBOTICS
- HUNTING, CAMPING, AND TRAIL CAMERAS
- REMOTE POWER
- CAMPING & OUTDOOR ADVENTURES



THE OFFICIAL LITHIUM BATTERY OF BASSMASTER AND THE CHOICE OF CHAMPIONS.

📷 2X BASSMASTER CLASSIC WINNER, HANK CHERRY 🔋 4X 12V 100Ah BATTERY

# DAKOTA LITHIUM 12V 46Ah BATTERY



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



# DAKOTA LITHIUM 12V 54Ah BATTERY



A robust deep cycle performer, excels in rugged conditions. LiFePO4 technology doubles power, halves weight, and lasts eight times longer than lead-acid batteries, ensuring exceptional value. Its 54Ah capacity powers mid-sized trolling motors or extended RV journeys. Perfect for deep cycle needs, it effortlessly links in series for 24V, 36V, or 48V systems. Includes LiFePO4 charger. Recently upgraded to fit the same capacity in a smaller, lighter U1 marine plastic case, enhancing portability without compromising power. It's the go-to choice for sustained, high-demand applications, offering reliability and longevity.

## SPECIFICATIONS:

### 11 YEAR WARRANTY

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

### STORAGE CAPACITY

54 ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 54 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

### ENERGY

691 Watts (Wh)

### TERMINALS

M6 bolt size. Easy to adapt to different connection needs. (Max torque 15 ft. lbs.)

### SIZE

7.75"L x 5.3"W x 7.5"H (197mm x 135mm x 190mm) 195mm to top of terminals) U1 battery size, Group 24 compatible. Group 24F 24R 24H 24T compatible.

### WEIGHT

14.3 lbs (6.5 Kg). That's 75% lighter than a SLA battery.

### LIFECYCLES (BATTERY LIFESPAN)

Up to 80% capacity for 5,000 cycles in recommended conditions. The typical SLA has 400 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 environmental operating temps

### DISCHARGE

60 A max continuous, 100 A max pulse 10 second pulse. The flat discharge voltage curve provides a 75% bigger capacity than a SLA 50Ah battery.

### CHARGE

27 A max, 14 V max recommended, 15 V max. Included is a LiFePO4 compatible charger.

### INCLUDES ACTIVE BMS PROTECTION

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

### DEEP CYCLE USE ONLY

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

## SUITABLE FOR:

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

# 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

# DAKOTA LITHIUM 24V 60Ah BATTERY



This Dakota tough 24V lithium battery, using Lithium Iron Phosphate (LiFePO<sub>4</sub>) technology, delivers exceptional energy density. It offers three times the power and one-third the weight of a lead-acid battery, lasting five times longer. With a cycle life of 5,000–8,000 recharge cycles (8–10 years with regular use) and an 11-year warranty, it's built for rugged and cold conditions. Featuring 60 Amp hours (Ah) capacity, it's perfect for a day of fishing with 24V trolling motors or for solar energy storage in homes, RVs, and boats. This re-engineered version provides 20% more capacity, 60% more power (80 Amps max continuous discharge), and is 25% smaller. A free 24V 5A charger is included.

## SPECIFICATIONS:

### 11 YEAR WARRANTY

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

### STORAGE CAPACITY

60 ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 60 amp hours. DL LiFePO<sub>4</sub> 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

24V rated (26.6V resting voltage) Dakota Lithium 24V batteries can be used in series for up to 48V systems.

### ENERGY

1536 Watts (Wh)

### TERMINALS

M8 bolt size. Easy to adapt to different connection needs. (Max torque 15 ft. lbs.)

### SIZE

9.1"L x 6.8"W x 8.66"H 230mm x 174mm x 215mm (210mm to top of battery, 215mm to top of terminal) Group 24.

### WEIGHT

24.9 lbs (11.3Kg). That's 70% lighter than a SLA battery.

### 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

80 A max continuous, 100 A max pulse 10 second pulse.

### CHARGE

12A (0.2) recommended, A max. 28.8V recommended, 60V Max. Included is a DL 24v 5A charger.

### 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

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

## SUITABLE FOR:

- 24V TROLLING MOTORS #FISHLONGER
- ALL 24V TROLLING MOTORS
- 36V ELECTRIC MOTOR
- COMPATIBLE WITH ONBOARD CHARGING
- BOATING/MARINE DEEP CYCLE
- OUTDOOR ADVENTURES
- REMOTE POWER
- AND MORE





DAKOTA  LITHIUM

24V 110Ah

2640 Wh • LiFeP04 BATTERY

CONTAINS BMS FOR LONGEST LIFE & BEST PERFORMANCE

DO NOT CRUSH - DO NOT HEAT OVER 150°F - DO NOT CHARGE ABOVE 30V - DO NOT INCINERATE - DO NOT DISASSEMBLE - DO NOT SHORT CIRCUIT



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24V 110Ah

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DAKOTALITHIUM.COM

# DAKOTA LITHIUM 24V 110Ah BATTERY



Built Dakota tough, this 24V lithium battery powers your passion all day. Using Lithium Iron Phosphate (LiFePO<sub>4</sub>) technology, it offers three times the power, one-third the weight, and lasts five times longer than lead-acid batteries. Designed for rugged environments and cold conditions, it endures 3,000 - 6,000 recharge cycles (8-10 years) and comes with an 11-year warranty. With 110 Ah capacity, it's perfect for 24V trolling motors or solar energy storage in homes, RVs, boats, or off-grid applications. Ideal for deep cycle use in marine settings, it includes a free LiFePO<sub>4</sub> battery charger.

## SPECIFICATIONS:

### 11 YEAR WARRANTY

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

### STORAGE CAPACITY

110 ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 110 amp hours. DL LiFePO<sub>4</sub> 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

24V rated (26.6V resting voltage) Dakota Lithium 24V batteries can be used in series for up to 48V systems.

### ENERGY

2816 Watts (Wh)

### TERMINALS

M8 bolt size. Easy to adapt to different connection needs. (Max torque 15 ft. lbs.)

### SIZE

19.1"L x 6.6"W x 9.9"H (483mm x 170mm x 240mm)

### WEIGHT

50.5 lbs (23kg). That's 70% lighter than a SLA battery.

### 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

100 A max continuous

### CHARGE

50A max, 28.8V recommended, 30V max. Included is a LiFePO<sub>4</sub> compatible charger.

### 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

All 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.

### ISO 9001:2015 CERTIFIED

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

## SUITABLE FOR:

- TROLLING MOTORS #FISHLONGER
- MARINE APPLICATIONS
- 24V TROLLING MOTORS
- LIFEPO4 REPLACEMENT FOR AGM, MARINE LEAD BATTERIES
- COMPATIBLE WITH ONBOARD CHARGING
- EXCELLENT FOR MINNKOTA MOTORS
- PREFERRED UPGRADE FOR GARMIN MOTORS
- IDEAL FOR LOWRANCE MOTORS
- COMPATIBLE WITH ALL TROLLING MOTORS
- DOES NOT START GASOLINE ENGINES
- POWER-POLE MOVE

# DAKOTA LITHIUM 36V 60Ah BATTERY



This battery has been upgraded to the Dakota Lithium 36V 60Ah model, offering the same power in a case that's 25% smaller and 20% lighter. It features a 50% increase in lifespan and 100% more max discharge power for large trolling motors. All orders for the 36V 63Ah battery will be upgraded automatically. Engineered with Lithium Iron Phosphate (LiFePO4) technology, this battery delivers twice the power, half the weight, and lasts four times longer than lead acid batteries. With 60Ah capacity, it suits 36V trolling motors with up to 120 lbs of thrust. Backed by an 11-year warranty, a free 36V 8A charger is included.

## SPECIFICATIONS:

### 11 YEAR WARRANTY

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

### STORAGE CAPACITY

60 ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 60 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

36V (not intended for wiring multiple batteries in series, 36V systems only)

### ENERGY

2,268 Watts (Wh)

### TERMINALS

M8 bolt terminals F12 (posts that screw in). Easy to adapt to different connection needs. (Max torque 15 ft. lbs.)

### SIZE

13"L x 6.7"W x 8.7"H (331mm x 172mm x 221mm).  
Group 31 Battery

### WEIGHT

44 lbs (20 Kg). That's 75% lighter than a lead acid battery and 25% lighter than Dakota Lithium original 36V 63Ah battery.

### LIFECYCLES (BATTERY LIFESPAN)

Up to 80% capacity for 2,000 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

60 A max continuous, 100 A max pulse 10 second pulse. The flat discharge voltage curve provides a 75% bigger capacity than a comparable 63Ah SLA battery.

### CHARGE

31.5 A max, 42 V max recommended. Included is a 36v 8 amp LiFePO4 compatible charger (8 hour charge time). Upgrade to a 36v 18 amp charger for 140% faster charge time!

### 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

All 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.

### ISO 9001:2015

Dakota Lithium is certified by ISO 9001:2015 for lithium battery engineering, manufacturing, and quality control. This means that the battery systems available at Dakota Lithium are designed and manufactured to the highest ISO 9001:2015 engineering standards. In addition, quality control is completed by our US based engineering team and follows ISO 9001 standards. This added layer of safety, quality, and reliability ensures that your battery will last a long, long time.

## SUITABLE FOR:

- STARTER BATTERY
- DEEP CYCLE APPLICATIONS
- HIGH AMP DRAW APPLICATIONS
- MARINE APPLICATIONS
- CAR AUDIO
- TROLLING MOTORS
- INDUSTRIAL APPLICATIONS

AND MORE

# DAKOTA LITHIUM 36V 110Ah BATTERY



This Dakota tough 36V 110Ah battery powers your passions all day long. Featuring Lithium Iron Phosphate (LiFePO<sub>4</sub>) technology, it offers three times the power and one-third the weight of lead-acid batteries, lasting eight times longer for exceptional value. With 110Ah capacity, it's perfect for 36V trolling motors, golf carts, and small electric vehicles in rugged environments. This battery combines the energy of three 12V batteries, delivering an estimated runtime of over two days for trolling motors—ideal for larger boats and offshore fishing. For 36V golf carts, expect a 20 to 30-mile range. Carts with motor controllers over 200A require two batteries. Backed by an 11-year warranty, a free LiFePO<sub>4</sub> charger is included.

## SPECIFICATIONS:

### 11 YEAR WARRANTY

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

### STORAGE CAPACITY

110 ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 60 amp hours. DL LiFePO<sub>4</sub> 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

36V (not intended for wiring multiple batteries in series, 36V systems only). Can be wired in parallel up to 10 units.

### ENERGY

3,960 Watts (Wh)

### TERMINALS

M8 bolt size. Easy to adapt to different connection needs. (Max torque 15 ft. lbs.)

### SIZE

20.5"L x 10.5"W x 8.8"H (521mm x 268mm x 224mm)

### WEIGHT

75 lbs (34 Kg). That's 75% lighter than a lead acid battery and 20% lighter than Dakota Lithium original 36V 63Ah battery.

### 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

200 A max continuous, 400 A max 1 second pulse. For motor controllers with 200A-400A two parallel units are recommended. Max of 4 units in parallel.

### CHARGE

60A max, 42V max recommended. Included is a 36V 8 amp LiFePO<sub>4</sub> compatible charger (8 hour charge time). Upgrade to a 36V 18 amp charger for 140% faster charge time!

### 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

All 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.

### ISO 9001:2015 CERTIFIED

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

## SUITABLE FOR:

- TROLLING MOTORS #FISHLONGER
- MARINE APPLICATIONS
- 36V TROLLING MOTORS
- LIFEPO4 REPLACEMENT FOR AGM, MARINE LEAD BATTERIES
- COMPATIBLE WITH ONBOARD CHARGING
- EXCELLENT FOR MINNKOTA MOTORS
- PREFERRED UPGRADE FOR GARMIN MOTORS
- IDEAL FOR LOWRANCE MOTORS
- COMPATIBLE WITH ALL TROLLING MOTORS
- DOES NOT START GASOLINE ENGINES
- POWER-POLE MOVE

# DAKOTA LITHIUM 48V 96Ah BATTERY



This Dakota tough 48V lithium battery enhances your golf cart, electric vehicle, or electric outboard motor's performance with twice the runtime and four times the lifespan, offering exceptional value. Made with advanced lithium iron phosphate (LiFePO4) cells, it requires no maintenance, can be installed in any orientation, and charges five times faster than lead-acid batteries. Weighing just a quarter of traditional lead-acid options, it reduces your cart's weight by over 300 lbs, improving handling and lowering maintenance costs. With nearly 5kWh of deep cycle power, this battery is ideal for 48V solar energy storage and marine applications. A free 48V 8A LiFePO4 charger is included.

## SPECIFICATIONS:

### 11 YEAR WARRANTY

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

### STORAGE CAPACITY

96 Ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 96 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

48V (not intended for wiring multiple batteries in series, 48V systems only)

### ENERGY

4,915 Watt hours (Wh) per battery (4.6 kWh power system)

### TERMINALS

M8 bolt size. Easy to adapt to different connection needs. (Max torque 15 ft. lbs.)

### WEIGHT

77 lbs (35Kg). That's 80% lighter than a set of lead acid batteries, saving 300 lbs. of weight.

### SIZE

20.5"L x 10.5"W x 8.66"H (520mm x 267mm x 220mm)

### BATTERY RANGE

For carts with a max speed of 23 mph or less expect a battery range of 40 - 60 miles depending on cart model. For carts with a max speed of 27 mph expect a battery range of 30 - 40 miles. Wire 2 units in parallel to double the battery range.

### LIFECYCLES (BATTERY LIFESPAN)

Up to 100% capacity for 2,000 recharge cycles (100%DOD), 80% capacity at  $\geq 4,000$  recharge cycles (80%DOD), 50% capacity at  $\geq 6,000$  (50%DOD - battery half life). 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 for 3-5 minutes. The flat discharge voltage curve provides a 75% bigger capacity than a SLA 100Ah battery.

### CHARGE

60A max, 57.6V recommended. Free 48V 8A LiFePO4 battery charger is included.

### INCLUDES ACTIVE BMS PROTECTION

Contains a circuit that handles cell balancing, low voltage cutoff, high voltage cutoff, short circuit protection and temperature protection for increased performance and longer life. A LiFePO4 battery charger is required to turn the battery back on after a BMS cut off (included w purchase).

### CERTIFICATIONS

All batteries are UN38 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.

### ISO 9001:2015

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

### HOW MUCH POWER DO I NEED FOR MY GOLF CART?

This single 48V battery will replace a set of 6V, 8V, or 12V batteries in a 48V cart. This battery is suitable for most carts with a max speed of less than 27 mph and a motor controller rated under 240 Amps. If your motor controller is rated 240 Amps or higher, you may need two of these 48V batteries in parallel (some dune buggies, off-road carts, ATVs, and high speed carts fall into this category).

### HOW MUCH POWER DO I NEED FOR SOLAR PANELS?

Each battery has 4.6 kWh of power storage. 48V has an efficiency advantage for solar energy systems (google 48V vs 12V for solar energy). 500 - 800 watts of solar panel capacity with a 48V solar charge controller would fully charge this battery daily.

## SUITABLE FOR:

- 48V GOLF CARTS SUCH AS: 48V YAMAHA, 48V TAYLOR-DUNN, 48V POLARIS, AND 48V PAR CAR
- 48V ELECTRIC VEHICLES
- 48V ELECTRIC OUTBOARD MOTORS SUCH AS - TORQUEEDO AND ELCO
- 48V SOLAR ENERGY POWER SYSTEMS

# DAKOTA LITHIUM 72V 55Ah BATTERY



This Dakota tough 72V 55Ah lithium battery powers your passions from dawn to dusk. Engineered with Lithium Iron Phosphate (LiFePO<sub>4</sub>) technology, it delivers three times the power and lasts eight times longer than lead-acid batteries, ensuring exceptional value. Designed as a drop-in replacement for 72V electric vehicles, golf carts, and outboard motors, it weighs only one-fifth of traditional lead-acid options, enhancing performance and handling. Enjoy increased speed with 72V golf carts and neighborhood electric vehicles. A free 72V LiFePO<sub>4</sub> charger is included. For extended driving range, connect multiple units in parallel. It comes with an 11-year warranty, providing reliability and longevity for all your adventures.

## SPECIFICATIONS:

### 11 YEAR WARRANTY

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

### STORAGE CAPACITY

55 ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 55 ampere hours. DL LiFePO<sub>4</sub> 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

72V (not intended for wiring multiple batteries in series, 72V systems only). Can be wired in parallel up to 10 units.

### ENERGY

3,960 Watts (Wh)

### TERMINALS

M8 bolt size. Easy to adapt to different connection needs. (Max torque 15 ft. lbs.)

### SIZE

20.5"L x 10.5"W x 8.62"H (521mm x 268mm x 219mm)

### WEIGHT

88.1lbs (40Kg). That's 75% lighter than a lead acid battery.

### 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

60A max continuous, 120A max 30-second pulse. For motor controllers with 100A-250A two units are recommended. 250A-350A three units are recommended.

### CHARGE

30A max, 86.4V max recommended. Included is a 72V 10A LiFePO<sub>4</sub> compatible charger (5.5 hour charge time).

### 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

All 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.

### ISO 9001:2015 CERTIFIED

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

## SUITABLE FOR:

- TROLLING MOTORS #FISHLONGER
- MARINE APPLICATIONS
- LINK IN SERIES FOR 48V SYSTEM
- LIFEPO4 REPLACEMENT FOR AGM, MARINE LEAD BATTERIES
- COMPATIBLE WITH ONBOARD CHARGING
- PREFERRED UPGRADE FOR GARMIN MOTORS
- IDEAL FOR LOWRANCE MOTORS
- DOES NOT START GASOLINE ENGINES
- POWER-POLE MOVE
- MINN KOTA TROLLING MOTORS
- POWER-POLE SHALLOW WATER ANCHORS



HALF THE WEIGHT. TWICE THE POWER.

DAKOTALITHIUM.COM  
11 YEAR WARRANTY

**DAKOTA LITHIUM**

GO FURTHER. LAST LONGER. PLAY HARDER.

📷 DAKOTA LITHIUM TRUCK  
🔋 3X DL+ 12V 135Ah  
🔋 1X 320Ah BATTERIES

# DAKOTA LITHIUM+ 12V 25Ah BATTERY



Built Dakota tough, this DL+ 12v 25Ah lithium battery features Lithium Iron Phosphate (LiFePO4) technology, offering twice the power, half the weight, and five times the lifespan of sealed lead acid batteries. With 25Ah capacity, it powers high amp draw electronics like Garmin fish finders and ice augers for a full day. Dakota Lithium's dual-purpose BMS technology provides 300CCA for engine starting in ATVs, UTVs, lawn tractors, and generators. It offers 150% more capacity than our 10Ah battery and replaces 18Ah & 20Ah SLA batteries, including UB12180 and FM12180. A LiFePO4 charger is recommended.

## SPECIFICATIONS:

### 11 YEAR WARRANTY

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

### CAPACITY

25 Ampere hours. Dakota Lithium batteries provide consistent power for all 25 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

### ENERGY

300 Watt-hours (Wh)

### CCA

300 cold cranking amps, suitable for ATVs, UTVs, generators and small engines

### TERMINALS

M6 terminals (posts that screw in). 2 sided terminal block allows for side or top installation. When used in salt water environments we recommend applying a small amount of dielectric grease on top of each terminal after installation. It helps extend the lifespan. (Recommended Torque 5 ft lbs, Max Torque 9 ft lbs)

### SIZE

7.125"x 3.03"x 6.69" (181x77x170mm)

### WEIGHT

6.4 lbs (2.9Kg). That's 60% lighter than a SLA battery.

### 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

30A max continuous, 300A max pulse (<5 sec). The flat discharge voltage curve provides a 75% bigger capacity than a 25Ah SLA battery. Please note: a single battery is only appropriate for trolling motors with <20 lbs of thrust. For trolling motors with 20 to 45 lbs of thrust a single DL 54Ah battery is required. Or you can combine two batteries in parallel to create a 50 Amp continuous discharge rate and 60Ah of capacity. This provides the amps necessary to run the larger motor, increases runtime and lifespan of the battery.

### CHARGE

30A max, 14.4V recommended, 15V max. Please note: this battery should be charged using a LiFePO4 compatible charger. A SLA charger may work, but will reduce performance and lifespan of the battery. Can be charged by ATV, UTV or powersports engine alternator (<30A output).

### 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.

### CHARGER SOLD SEPARATELY

This battery should be charged using a LiFePO4 compatible charger. Dakota Lithium 12V batteries should be charged at 14.4 volts, higher than AGM or lead acid. Lead acid chargers will work, but will only charge the battery to 80% of capacity.

### DROP IN REPLACEMENT

Replaces size UB12180, size FM12180, and size 6fm18 SLA batteries with twice the run time and half the weight

### CERTIFICATIONS

All batteries are UN38 certified. Dakota Lithium's cells are UL1642 certified and have been tested per IEC62133 standards. Meets all US & International regulations for air, ground, and train transport.

### ISO 9001:2015

Dakota Lithium is certified by ISO 9001:2015 for lithium battery engineering, manufacturing, and quality control. This meDakota Lithium is ISO Certified per 9001:2015 standards, and select models are produced in ISO 14001 certified facilities.

### SMART DUAL PURPOSE BMS

Optimizes battery for use in both deep cycle applications and engine starting applications and allows for the battery to be charged by a power sports, tractor, ATV, or UTV engine alternator.

## SUITABLE FOR:

- FISH FINDERS, FLASHERS, & BOATING ELECTRONICS
- HUMMINBIRD FISH FINDERS
- GARMIN LIVESCOPE (4 HR RUN TIME - USE THE 46AH BATTERY FOR FULL DAY)
- ICE FISHING
- LIFEPO4 REPLACEMENT FOR SLA 12V
- ALL TERRAIN VEHICLES (ATVS AND UTVS)
- ATV, UTV AND PORTABLE ELECTRIC WINCHES
- STARTING SMALL ENGINES (FOR CARS / BOATS / TRUCKS USE THE DL+ 135)
- LAWN TRACTORS & RIDE OF TOP LAWN MOWERS
- EMERGENCY JUMP START FOR OUTBOARD MOTORS
- INDUSTRIAL BATTERIES
- SOLAR LIGHTING
- ROBOTICS
- HIKING & CAMPING
- REMOTE POWER
- OUTDOOR ADVENTURES
- MOBILITY SCOOTERS
- MOTORCYCLES (CONFIRM YOUR BATTERY DIMENSIONSMATCH BEFORE ORDER)



# DAKOTA LITHIUM+ 12V 60Ah BATTERY



The DL+ 12v 60Ah is a versatile powerhouse designed for diverse, rugged environments. With LiFePO4 technology, it delivers double the power, half the weight, and four times the lifespan of lead acid batteries, ensuring exceptional value. Capable of jump-starting engines, powering car audio systems, or running trolling motors, it suits various applications. Providing 1,000 cold cranking amps (CCA) and high continuous discharge, it's ideal for heavy machinery, golf carts, or electronics with high power demands. It combines deep cycle marine performance with versatility, supported by an 11-year warranty and a LiFePO4 charger. Terminal adapter kit enables compatibility with marine, automotive, and deep-cycle setups.

## SPECIFICATIONS:

### 11 YEAR WARRANTY

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

### STORAGE CAPACITY

60 ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 60 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)

### ENGINE STARTING POWER

Rated to 1,000 Cold Cranking Amps (CCA) of engine starting power. Suitable for marine, automotive, and other applications. 1/4-1/2 the weight of a normal car battery.

### SIZE

9.5" L x 6.9" W x 7.44" H (242.5mm x 176mm x 189 mm)  
Group 24 equivalent

### GROUP SIZE 24

Group 24 equivalent for physical dimensions & terminal location. Cranking power (CCA rating) & usable deep cycle capacity is much higher than a lead-acid battery of the same group size.

### ENERGY

768 Watt-hours (Wh)

### TERMINALS

F12 terminals (posts that screw in) with M8 size bolts. Includes a terminal adapter kit with automotive & marine posts that screw into the M8 bolt terminal, and M8 brass terminal bolts. Easy to adapt to different connection needs. (Max torque 15 ft. lbs.) (Max 5 ft. lbs. on terminal post adapters)

### TERMINAL LAYOUT

The terminal layout for the first production batch has the positive (+) on the left and the negative (-) on the right. Please check your wiring harness for length to fit both possible wire configurations.

### WEIGHT

16.5 lbs (7.5 Kg). 65% lighter than a SLA or lead battery.

### 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 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

80 A max continuous discharge, 750A max 2 second pulse, 650A max 5 sec pulse. The flat discharge voltage curve provides a 75% bigger capacity than a SLA 50Ah battery.

### CHARGE

Recommend for longest life 60A or less (1C), Max continuous 80A (1.5C). 14.4 V recommended, 14.6 V max, BMS protection from over charging will cut off at 14.6V. Included is a free 12V 10 Amp (A) LiFePO4 compatible charger that charges at the recommended 14.4 Volts.

### CHARGE VIA ALTERNATOR

Drop in replacement for lead acid and AGM starter batteries for most mid-sized vehicles. Can be charged by an engine's alternator at 80 Amps or less. For very large alternators with alternators >100Amps (Diesel trucks, large boat engines) a DC-DC charger is recommended to protect the battery and ensure a longer lifespan.

### 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

Contains a smart BMS temperature cutoff that prevents charging when cells are below 0°F/C and protects the battery.

### 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.

### DUAL PURPOSE USE

Multi-purpose use as a deep cycle battery and/or as a starter battery for starting gasoline engines.

## SUITABLE FOR:

- TROLLING MOTORS #FISHLONGER
- GOLF CART
- MARINE APPLICATIONS
- 24V TROLLING MOTORS
- LINK IN SERIES FOR 48V SYSTEM
- LIFEPO4 REPLACEMENT FOR AGM, MARINE LEAD BATTERIES
- 12V TROLLING MOTORS AND LINKABLE FOR UP TO 36V TROLLING MOTORS
- COMPATIBLE WITH ONBOARD CHARGING
- EXCELLENT FOR MINNKOTA MOTORS
- PREFERRED UPGRADE FOR GARMIN MOTORS
- IDEAL FOR LOWRANCE MOTORS
- COMPATIBLE WITH ALL TROLLING MOTORS
- DOES NOT START GASOLINE ENGINES
- ALL FORWARD FACING SONARS

# DAKOTA LITHIUM+ 12V 135Ah BATTERY



The DL+ 12v 135Ah battery is the pinnacle of energy density and versatility. Combining deep cycle performance with 1,000 CCA engine starting power and even-heat technology, it defies limitations. From starting car engines to powering electronics, it excels in diverse applications. Engineered for rugged conditions, it charges five times faster than traditional batteries, with five times the power and half the weight of lead-acid batteries. With 135Ah capacity in a compact Group 24 case, it's perfect for marine, automotive, and other deep-cycle setups. Backed by an 11-year warranty, it exceeds ABYC standards and meets Mercury Outboard requirements, ensuring reliability and longevity.

## SPECIFICATIONS:

### 1 YEAR WARRANTY

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

### STORAGE CAPACITY

135 ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 135 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)

### ENGINE STARTING POWER

Lithium battery equivalent to 1,000 Cold Cranking Amps (CCA) of lead acid battery engine starting power. Suitable for marine, automotive, and other applications. 1/2 the weight of a normal car battery.

### SIZE

9.5"L x 6.9"W x 8.22"H (242.5mm x 176mm x 209mm)  
Group 24 equivalent

### GROUP SIZE 24 / 34 / GC2

Group 24 / 34 compatible physical dimensions & 24F terminal orientation. Cranking power (CCA rating) & usable deep cycle capacity is much higher than a lead-acid battery of the same group size. Group Size GC2 compatible.

### ENERGY

1620 Watt-hours (Wh)

### TERMINALS

F12 terminals (posts that screw in) with M8 size bolts. Includes a terminal adapter kit with automotive & marine posts that screw into the M8 bolt terminal, and M8 brass terminal bolts. Easy to adapt to different connection needs. (Max torque 15 ft. lbs.) (Max 5 ft. lbs. on terminal post adapters)

### WEIGHT

27.2 lbs (12.3 Kg). 65% lighter than a SLA or lead battery.

### LIFECYCLES (BATTERY LIFESPAN)

Up to 80% capacity for 5,000 cycles in recommended conditions. The typical automotive 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). Internal even-heat technology allows for charging below 32°F. BMS high temp cut off at 167°F / 75°C.

### DISCHARGE

270A max continuous discharge, 1000A max 2 second pulse, 900A max 5 sec pulse. The flat discharge voltage curve provides a 75% bigger capacity than a 135Ah SLA battery with the same CCA rating.

### CHARGE

Recommend for longest life 70A or less (.5C), Max continuous 135A (1C). 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..

### CHARGE VIA ALTERNATOR

Drop in replacement for lead acid and AGM starter batteries for vehicles and outboard motors. NOTE: THE DL+ 135Ah IS LIMITED TO AN ALTERNATOR CHARGING PROFILE OF 135 AMPS OR LESS.

### 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.

### INTERNAL EVEN-HEAT TECHNOLOGY

Increases performance in extreme cold. When charging the battery in temperatures below 0°C/32°F DL's internal heating element will warm the cells to 0°C/32°F. This increases the lifespan, performance, and efficiency of the battery.

### 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.

### ISO:9001 QUALITY CONTROL CERTIFIED

Engineering, design, quality control and manufacturing

### DUAL PURPOSE USE

Multi-purpose use as a deep cycle battery and/or as a starter battery for starting gasoline engines.

### SUITABLE FOR:

- STARTING CAR AND TRUCK ENGINES
- DEEP CYCLE APPLICATIONS
- TROLLING MOTORS #FISHLONGER
- OVERLAND & TRUCK BUILDS
- VANLIFE & RV BATTERY UPGRADE
- CAR AUDIO
- GOLF CARTS & ELECTRIC VEHICLES
- LINK IN SERIES FOR 24V, 36V, 48V
- INDUSTRIAL BATTERIES (BULK PRICING)
- LIFEPO4 REPLACEMENT FOR SLA 12V
- FISH FINDERS, FLASHERS, & BOATING ELECTRONICS
- RECREATIONAL VEHICLES, CAMPERS, AND TRAILERS
- OFF-GRID HOMES
- MERCURY OUTBOARD MOTORS

# DAKOTA LITHIUM+ 12V 320Ah BATTERY



Introducing the DL+ 12v 320Ah battery, our most compact and powerful yet. With 6X the power of a single group 31 AGM battery, it's perfect for RVs, boats, or off-grid systems. Engineered with Lithium Iron Phosphate technology, it offers 1,000 cold cranking amps for engine starting. Waterproof and ruggedized, it lasts up to 6 times longer than AGM batteries with 5,000 charge cycles. Optimized for marine, solar, RVs, and EVs, it includes a LiFePO4 charger and an 11-year warranty. Group 31-sized, its bottom footprint fits most trays, though some battery boxes may not be compatible due to wider handles.

## SPECIFICATIONS:

### 11 YEAR WARRANTY

Best in Class 11 Year Warranty. That is 10 years more warranty than most lead acid batteries.

### STORAGE CAPACITY

320 Ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 315 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.

### COLD CRANKING AMPS

1,000 CCA is adequate to start most boat and large vehicle engines

### ENERGY

3840Wh

### VOLTAGE

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

### SIZE

15.06"L x 7.24"W x 10"H (385mm x 202mm x 252mm)  
Measurements are to the top of the terminals and includes side handles. \*\*See notes in the product description for battery tray and battery box sizing\*\*

### GROUP SIZE 31 & 8D

Group Size 31 and Marine 8D size compatible

### WEIGHT

65 lbs (29.5Kg)

### LIFESPAN/LIFECYCLES

Up to 80% capacity for 5,000 cycles in recommended conditions, 70% capacity at 5,000 recharge cycles. Half-life (50% capacity) of 6,000 - 7,000 re-charge cycles (Typical SLA has 500 cycles). Backed up by an 11 year warranty.

### DISCHARGE

200A max continuous, 300A max 10-second pulse, 1,000A max 2-sec CCA pulse. LiFePO4 chemistry has a flat voltage curve, meaning this battery will maintain a voltage of >12V for the full discharge cycle in most applications.

### CHARGE

<200 A standard charge, 300A max charge current for <60 sec. 14.4V Recommended, 14.6V Max. Included is a LiFePO4 compatible charger. A SLA charger may work, but will reduce performance and lifespan of the battery. Even heat technology allows for charging below 32°F. Internal even-heat technology allows for charging below 0°C/32°F

### 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). Internal even-heat technology allows for charging below 32°F. BMS high temp cut off at 167°F / 75°C.

### INTERNAL EVEN-HEAT TECHNOLOGY

Increases performance in extreme cold. When charging the battery in temperatures below 0°C/32°F DL's internal heating element will warm the cells to 0°C/32°F. This increases the lifespan, performance, and efficiency of the battery.

### SAFE & RELIABLE

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

### TERMINALS AND POSTS

M8 bolt size included. (Max torque 15 ft. lbs.) (Max 5 ft. lbs. on terminal post adapters)

### MARINE GRADE & WATERPROOF

Max IP65 water resistance rating. Appropriate for marine environments, not submersible.

### CERTIFICATIONS

All batteries are UN38 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.

### ISO 9001:2015

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

## SUITABLE FOR:

- RVS
- CAMPERS
- BOATING
- OVERLANDING
- HOME ENERGY

# DAKOTA LITHIUM LTO AUTOMOTIVE BATTERY



The all new Dakota Lithium LTO Battery is the next generation of energy storage designed for high-performance and long-lasting power. Built with advanced Lithium Titanate (LTO) technology, this battery delivers exceptional cycle life, rapid charging capabilities, and unmatched durability in extreme conditions. Perfect for high-demand applications, the Dakota Lithium LTO battery boasts a significantly longer lifespan than traditional lithium-ion batteries, offering up to 10,000 charge cycles for years of reliable power.

The Dakota Lithium LTO Battery will deliver the efficiency and reliability you need. Experience the future of energy storage with Dakota Lithium—where innovation meets endurance

## SPECIFICATIONS:

### 11 YEAR WARRANTY

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

### STORAGE CAPACITY

20 Ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 20 Amp hours. DL LTO 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

12.0V

### WATT HOURS

240

### LOW VOLTAGE CUTOFF

7.5±0.03V

### SIZE

8.15"L X 6.89"W X 7.48"H  
(207mm X 175mm X 190mm)

### WEIGHT

11.02lbs (5kg)

### TERMINALS

SAE Terminal (Standard Automotive Post)

### COLD CRANKING AMPS

1100A (850CCA @ -18°C)

### LIFECYCLES (BATTERY LIFESPAN)

10,000

### OPERATING TEMPERATURE

-40°C - 60°C

### MAX CONTINUOUS DISCHARGE

200A 1,000A Max

### MAX CHARGE VOLTAGE

15.5V

### MAX CURRENT CHARGE

60A

### BASE CHEMISTRY

LTO (Lithium titanium oxide)

### HIGH-TEMPERATURE PROTECTION

-4°F - 185°F (85°C)

### LOW-TEMPERATURE PROTECTION

None

### DISCHARGE TEMPERATURE

-40°F-140°F (-40°C-60°C)

### CHARGE TEMPERATURE

-140°F (-20°C-60°C)

### APPROX. CHARGE TIME

6.67 hrs with 3A, 2 hrs with 10A

### INTERNAL HEATING

None

### IP RATING

IP65

### CERTIFICATIONS

UN38.3

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

## SUITABLE FOR:

• CRANKING ONLY



DAKOTA LITHIUM

PS2400

PowerStation 2400

PowerStation 2400

PowerStation 2400

# DAKOTA LITHIUM PS2400

## PORTABLE POWER STATION



The Dakota Lithium PowerStation 2400 ensures you're always prepared for any journey or unexpected situation. With a massive battery capacity of 2060Wh and 2400W output, it powers multiple devices simultaneously, perfect for off-grid adventures or power outages. Featuring real-time updates via its smart screen and a floodlight for emergencies, it's built tough for durability. Quick charging and solar compatibility offer versatile energy solutions, while safety is ensured with an advanced Battery Management System. With USB outputs, wireless charging, and ample power for household appliances, it's the ultimate backup solution, providing peace of mind and freedom wherever you go, backed by an 11-year warranty.

### SPECIFICATIONS:

#### 11 YEAR WARRANTY

Industry leading, best in class 11 year warranty.

#### RATED CAPACITY

51.2V/40Ah  
2060Wh

#### BATTERY INCLUDED

Powered by a built in Dakota Lithium LifePO4 battery.

#### BUILT IN CHARGER

Removable Charging Cable

#### 1 - HIGH POWER 30A AC OUTLET

Output Voltage: 110V/60Hz1 - 30A NEMA L5-30R Locking Receptacle. Power any appliance or power tool that requires high power.

#### 3 - 20A AC WALL OUTLETS

Output Voltage: 110V/60Hz3 - 20A wall outlets. This is the same power as your wall socket at home. Power any appliance or power tool that will work in your home's standard wall socket.

#### AC OUTPUT WAVEFORM

Pure Sine Wave AC output

#### RATED AC POWER OUTPUT

2400 Watts (4800W Peak)  
Enough power to operate large household appliances like refrigerators, freezers, or power tools.

#### STORAGE TEMP.

-20° to 45°C / -4° to 114°F

#### OPERATING TEMP.

0° to 40°C / 32° to 104°F

#### CHARGING TEMP.

0° to 40°C / 32° to 104°F

#### AC CHARGE INPUT VOLTAGE

AC 100-130V

#### AC CHARGE INPUT POWER

AC 1500 Watts

#### 2000W MINIMUM RECOMMENDED EXTENSION CORD

12 Minimum Gauge Under 15' Recommended Max Length

#### SOLAR CHARGE RATED VOLTAGE

12-75V 800W Max. Built in solar charge controller allows for rapid & safe solar charging. Connect to a folding solar panel to create a solar generator. Charges in 8 - 12 hour with one panel. Charges in 2 - 3 hours with 4 panels.

#### CAR CHARGER DC RATED VOLTAGE

2V/24V 192W Max. Charge while travelling using your car's cig lighter socket.

#### ABILITY TO CONNECT 2-IN-PARALLEL

Link two units for double the battery capacity (4120Wh)  
Parallel cable included.

#### UPS SWITCHING TIME

10ms. Seamless power backup for critical equipment like medical devices, computers, and CPAP machines.

#### CAR LIGHT SOCKET OUTPUT

Standard Cigarette Lighter output 12V/10A

#### 2 - DC OUTPUT

Two Barrel Connector outputs 12V/5A

#### 2 - USB-A OUTPUT

5V/3A, 9V/2A, 12V/1.5A 18W Max

#### 2 - USB-C OUTPUT

5V/9V/12V/15V,3A; 20V/5A  
100W Max

#### WIRELESS CHARGER

10W. Compatible with wireless charging phones.

#### LED LIGHT

Three brightness levels, strobe, and SOS. 5 Watt

#### WEIGHT

55 Lbs (~26kg)

#### SIZE

16.9" L x 11.8" W x 11" H (430mm x 300mm x 280mm)

#### 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.

#### QUALITY CONTROL

Dakota Lithium is an ISO 9001:2015 certified company to ensure exceptional product quality and reliability.

#### SUITABLE FOR:

- POWERTOOLS
- SMARTPHONES
- LAPTOPS
- TV'S
- CPAP MACHINES
- GOPRO'S
- FLOODLIGHTS
- MINI-FRIDGES
- DEEP FREEZERS
- HOUSEHOLD FRIDGES
- DRONES
- SWITCH GAMING SYSTEMS
- CAMERAS

# DAKOTA LITHIUM POWERBOX 10, 12V 10Ah



Whether you are camping in a tent, cruising in your kayak, or working off grid, the Dakota Lithium Powerbox helps keep all of your electronics charged up and ready to go. Built to power all your passions, the Powerbox gives you the freedom to use one battery to power many things. Designed to be a universal; mobile power station, including two USB charging ports, a 12v car plug, and binder posts. For night time use the Powerbox 10 comes equipped with a high efficiency LED flashlight. For longer expeditions solar panels can quickly be connected to the binder posts, providing you with dependable power. All built in a water/shock resistant case.

## SPECIFICATIONS:

### DUAL USB CHARGING PORTS

Easy way to charge your phone, camera, or any personal electronics.

### 12V CAR PLUG

Same type of socket that you have in your car.

### BINDER POSTS

Used as 12V output and to charge your box. A versatile way to power many types of electronics, including fish finders, flashers, and small trolling motors.

### TWO WATERPROOF LED LIGHTS

Make this power box into a powerful flashlight that lasts forever. Great for camping, kayaking, or emergencies.

### VOLTAGE READER

Provides real time data on how much voltage you are using.

### 100% SAFE & RELIABLE

Battery is protected by a BMS that prevents overheating and extends life. Electronics are fuse protected off the positive battery lead with a 10 Amp fuse. Built to last.

### WATERPROOF RATING

Water resistant and built for wet environments. Not submersible. Rubber caps must be replaced to ensure sockets are water resistant.

### POWERED BY DAKOTA LITHIUM

Dakota Lithium 12V 10Ah battery included.

### DIMENSIONS

8.5"L x 6.75"W x 4.25"H (216mm x 171mm x 108mm)

### WEIGHT

4 lbs. Lightweight box built for mobile power.

### CERTIFICATIONS

All batteries are UN38 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.

### CAPACITY

10 Amp Hours (Ah) will recharge an Iphone 11+ times, a laptop 2.7+ times, or run a fish finder for 50+ hours.

### SOLAR PANEL ADD ON

One 20W solar panel will fully charge your powerbox in 7-9 hours. Two panels will charge it in 3-5 hours.

## SUITABLE FOR:

- CELL PHONES
- LAPTOPS
- CAMERA EQUIPMENT
- DRONE BATTERIES

DAKOTA LITHIUM  
POWERBOX  
10

DAKOTA LITHIUM  
POWERBOX+  
60



# DAKOTA LITHIUM POWERBOX+ 60 12V 60Ah



The Powerbox 60 by Dakota Lithium is a rugged, waterproof mobile power station designed for extreme environments. With over 1,000 CCA engine starting power and 60Ah (720Wh) of deep cycle energy, it powers a range of devices and appliances. Equipped with 2 AC wall plugs, 6 USB ports, and automotive-grade battery posts, it's versatile for various applications. Featuring a durable, shock-proof case, it's easy to maintain in the field, ideal for extended expeditions. Inside, the DL+ 12V 60Ah dual-purpose battery offers double the power, half the weight, and four times the lifespan of lead acid batteries, making it perfect for high-demand applications. Backed by an 11-year warranty.

## SPECIFICATIONS:

### WATERPROOF RATING

IP67 Waterproof rating means this battery is submersible at a depth of 3 ft of water for 30 min with no internal moisture.

### BUOYANCY (HOW WELL IT FLOATS)

46% of mass above waterline. PB60 is a waterproof battery so light that it floats

### POWERBOX 60 CASE

Waterproof and submersible (IP67) ruggedized Powerbox 60 military spec plastic case with shock proof battery cradle. Fully field maintainable -- easy to disassemble and repair in the field if needed.

### TERMINALS & BINDER POSTS

Waterproof automotive binder posts for connecting trolling motors, jumper cables, or other high power applications while maintaining waterproof seal

### VOLTMETER & EXTERNAL USB PLUGS

Waterproof voltmeter for monitoring the battery power level & external USB C & USB A for connecting devices while maintaining waterproof seal

### DC TO AC INVERTER INCLUDED

300 watt continuous, 600 watt peak DC to AC Inverter w 2 AC wall plugs + 4 USB plugs and smart power use display

### INTERNAL STORAGE & ANTI-STATIC ELECTRONICS TRAY

Internal ballistic nylon bag with 3 zippered pockets for waterproof storage of personal electronics when box is sealed plus a removable, washable, anti-static silicone electronics tray for keeping personal electronics clean and safe while charging included

### BATTERY INCLUDED

Dakota Lithium Plus 12V 60Ah Dual Purpose 1,000 CCA Battery included. Complementary Jumper Cables Included

### 11 YEAR BATTERY WARRANTY

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

### STORAGE CAPACITY

60 Ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 60 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)

### ENGINE STARTING POWER

Lithium battery equivalent to 1,000 Cold Cranking Amps (CCA) of lead acid battery engine starting power. Suitable for marine, automotive, and other applications. 1/4-1/2 the weight of a normal car battery.

### SIZE

11.6"L x 12.1"W x 12.8"H (295mm x 307mm x 325mm)

### ENERGY

720 Watt-hours (Wh)

### WEIGHT

27 lbs (12.2 Kg). So light that it floats

### 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 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

100A max continuous discharge, 750A max 2 second pulse, 650A max 5 sec pulse. The flat discharge voltage curve provides a 75% bigger capacity than a 60Ah SLA battery.

### ULTRA-FAST CHARGING

DL rapid charge technology allows for charging speeds of 45 minutes (80 Amps). Recommend for longest life 60A or less (1C), Max continuous 80A (1.5C). 14.4V recommended, 15V 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

Contains a smart BMS temperature cutoff that prevents charging when cells are below 0°C/32°F and protects the battery.

### CERTIFICATIONS

All DL batteries are UN38 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.

### DUAL PURPOSE USE

Multi-purpose use as a deep cycle battery and/or as a starter battery for starting gasoline engines.

### SUITABLE FOR:

- CELL PHONES
- LAPTOPS
- CAMERA EQUIPMENT
- DRONE BATTERIES
- KAYAK FISHING
- 12V TROLLING MOTORS
- JUMPING CAPABILITIES

# DAKOTA LITHIUM POWERBOX+ 135 12V 135Ah



The Powerbox 135 by Dakota Lithium is a rugged, waterproof mobile power station for extreme environments. Offering over 1,000 CCA engine starting power and 135Ah (1620Wh) of deep cycle energy, it supports various devices and appliances. With 2 AC wall plugs, 4 USB ports, and automotive-grade battery posts, it's versatile for different applications. Housed in a durable, shock-proof case, it's easy to maintain in the field, perfect for extended expeditions. Featuring the DL+ 12V 135Ah dual-purpose battery with LiFePO4 technology, it provides double the power, half the weight, and four times the lifespan of lead acid batteries. Backed by an 11-year warranty.

## SPECIFICATIONS:

### WATERPROOF RATING

IP67 Waterproof rating means this battery is submersible at a depth of 3 ft of water for 30 hour with no internal moisture.

### BUOYANCY (HOW WELL IT FLOATS)

12% of mass above waterline. PB135 is a waterproof battery so light that it floats

### POWERBOX+ 135 CASE

Waterproof and submersible (IP67) ruggedized Powerbox+ 135 military spec plastic case with shock proof battery cradle. Fully field maintainable -- easy to disassemble and repair in the field if needed.

### TERMINALS & BINDER POSTS

Waterproof automotive binder posts for connecting trolling motors, jumper cables, or other high power applications while maintaining waterproof seal

### VOLTMETER & EXTERNAL USB PLUGS

Waterproof voltmeter for monitoring the battery power level & external USB C & USB A for connecting devices while maintaining waterproof seal

### DC TO AC INVERTER INCLUDED

300 watt continuous, 600 watt peak DC to AC Inverter w 2 AC wall plugs + 4 USB plugs and smart power use display Internal Storage & Anti-Static Electronics Tray Internal ballistic nylon bag with 3 zippered pockets for waterproof storage of personal electronics when box is sealed plus a removable, washable, anti-static silicone electronics tray for keeping personal electronics clean and safe while charging included

### BATTERY INCLUDED

Dakota Lithium Plus 12V 135Ah Dual Purpose 1,000 CCA Battery. Complementary Jumper Cables Included

### 11 YEAR BATTERY WARRANTY

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

### STORAGE CAPACITY

135 Ampere hours (Ah). Dakota Lithium batteries provide consistent power for all 135 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

12.8 Volts (V)  
Engine Starting Power  
Lithium battery equivalent to 1,000 Cold Cranking Amps (CCA) of lead acid battery engine starting power. Suitable for automotive applications.

### SIZE

11.6"L x 12.1"W x 12.8"H (295mm x 307mm x 325mm)

### ENERGY

1,620 Watt-hours (Wh)

### WEIGHT

37.7 lbs (17.1 Kg). So light that it floats. 1/4-1/2 the weight of a normal car battery.

### 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 batteries. -20°F min, +150°F max optimal operating temps (battery performs well down to -20°F). Internal even-heat technology allows for charging below 32°F. BMS high temp cut off at 167°F / 75°C.

### DISCHARGE

100A max continuous discharge, 750A max 2 second pulse, 650A max 5 sec pulse. The flat discharge voltage curve provides a 75% bigger capacity than a 60Ah SLA battery.

### ULTRA-FAST CHARGING

DL rapid charge technology allows for charging speeds of 60 minutes (135 Amps). Recommend for longest life 60A or less (1C), Max continuous 80A (1.5C). 14.4V recommended, 15V 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.

### INTERNAL HEATING FOR WINTER USE

Increases performance in extreme cold. When charging the battery in temperatures below 0°C/32°F DL's internal heating element will warm the cells to 0°C/32°F. This increases the lifespan, performance, and efficiency of the battery.

### COLD TEMPERATURE CHARGING PROTECTION

Contains a smart BMS temperature cutoff that prevents charging when cells are below 0°C/32°F and protects the battery.

### CERTIFICATIONS

All DL batteries are UN38 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.

### DUAL PURPOSE USE

Multi-purpose use as a deep cycle battery and/or as a starter battery for starting gasoline engines.

### SUITABLE FOR:

- CELL PHONES
- LAPTOPS
- CAMERA EQUIPMENT
- DRONE BATTERIES
- KAYAK FISHING
- 12V TROLLING MOTORS
- JUMPING CAPABILITIES



# 48V ESS STACKABLE SYSTEM

NOTE: OTHER CONFIGURATIONS ARE AVAILABLE

STACKABLE OPTIONS NOW INCLUDE:

**48V 100AH**

PROPRIETARY TO THIS SYSTEM ONLY



**3KW ESS INVERTER**



**20KW ESS SYSTEM**



The Dakota Lithium Home Backup Power & Energy Storage System ensures reliable performance during extended power outages. Ideal for off-grid applications, it offers 5kWh for small setups and up to 20kWh for most homes. The system includes stackable 48V 100Ah batteries and a 3,000W inverter, boasting twice the power and 10X the lifespan of traditional batteries. Built with iron phosphate technology and an intelligent BMS, it ensures safety and reliability. The MPPT controller optimizes solar energy, making it perfect for homes with solar panels. Backed by an 11-year warranty, it provides a clean, quiet, and durable alternative to generators.

# DAKOTA LITHIUM CHARGERS

## 12V 3A

SIZE: 125 x 60 x 34 mm  
WEIGHT: 0.255 kg



## 12V 10A

SIZE: 151 x 74 x 47 mm  
WEIGHT: 0.405 kg



## 12V 20A

SIZE: 145 x 145 x 70 mm  
WEIGHT: 1.625 kg



## 12V 50A

SIZE: 282 x 89 x 145 mm  
WEIGHT: 3.325 kg



## 24V 5A

SIZE: 150.7 x 73.8 x 46.9 mm  
WEIGHT: 0.380 kg



## 24V 20A

SIZE: 288 x 145 x 70 mm  
WEIGHT: 2.830 kg



## 24V 20A Waterproof

SIZE: 288 x 145 x 71mm  
WEIGHT: 2.52 kg



## 36V 8A

SIZE: 208 x 125 x 87mm  
WEIGHT: 2.42 kg



## 36V 18A

SIZE: 208 x 125 x 87mm  
WEIGHT: 2.42 kg



## 36V 20A

SIZE: 315 x 145 x 70mm  
WEIGHT: 3.435 kg



## 48V 8A

SIZE: 208 x 125 x 87mm  
WEIGHT: 2.42 kg



## 48V 15A

SIZE: 208 x 125 x 87mm  
WEIGHT: 2.42 kg



# DAKOTA LITHIUM CHARGERS

## SOLAR 100

Our 100 watt solar panel kit offers enough power to charge most single 12-volt battery banks (combine 100 watts of solar with 100Ah of Dakota Lithium batteries – additional panels recommended for colder climates, faster charge time, or winter activities).



### 100-WATT DAKOTA LITHIUM SOLAR KIT INCLUDES:

- 100-Watt Dakota Lithium Solar Panel Quick-connect solar plug
- Stainless steel mounting hardware and double sided industrial welding tape.
- Easy installation on most surface

## MULTI-FUNCTION INVERTER

Our inverter takes DC power (the power that comes from batteries or solar panels) and transforms it into AC power (your home's wall socket). Rated at 300 watts, this inverter also has the ability to peak up to 600 watts for electronics like drills, drivers, or other tools that may need quick bursts of power.



### PROFESSIONAL GRADE PURE SINE WAVE:

- Provides 100% Pure Sine Wave current. Compatible with all AC electronics, including electronics including high definition screens, engineering equipment, and medical devices.

## 12V 1500 WATT DC TO AC INVERTER – PURE SINE WAVE

Rated at 1500 watts this professional grade pure sine wave inverter takes DC power (the power that comes from batteries or solar panels) and transforms it into AC power. 1500 watts is the perfect size for most off-the-grid vehicles, including mid sized RVs, boats, Sprinter or camper vans, trailers, job sites for charging power tools, or other off grid applications where you need plug and play power.



### MULTI FUNCTION ABILITIES INCLUDE:

- 2 x AC wall sockets plugs
- 3 x USB charging ports 5V 2.1 A
- 1 x Smart USB charging port 5V, 9V, or 12V 2.1A 1 x Voltmeter & power LCD display screen
- 1 x Alligator clips for connecting to batteries
- 1 x Cig plug for connecting to your car

## DASHBOARD SOLAR CHARGE-CONTROLLER AND APP

The Dakota Lithium Dashboard solar charge controller regulates the charging of your house battery bank by your solar panels. It also monitors the batteries to let you know the fullness of the charge. This is done both on the unit itself or with the Dakota Lithium Dashboard bluetooth app that you can use on your phone.



## VICTRON PRODUCTS

Dakota Lithium is also a distributor of Victron components including: inverters / chargers, DC-DC chargers, battery monitors, shunts, and control panels.



POWER YOUR PASSION



**DAKOTA**  **LITHIUM**

 BRAYDEN HALL  
 OFF-GRID PACKAGE