



Scalable Lithium Power for Mobile Electrified Power Equipment®

Engineered for work trucks, vans, and mobile service applications, ELiMENT® Batteries deliver fast charging, long life, compact packaging, and industry-leading safety in a rugged, IP67-rated design built for real-world conditions.

The ELiMENT® Lithium Iron Phosphate (LiFePO₄) Battery family is the core power source for the EPEQ® Electrified Power Equipment® line. Designed to power air compressors, hydraulics, idle management, and auxiliary power, ELiMENT® replaces engine-driven systems to reduce idle time, minimize maintenance and vehicle wear, and maximize fleet productivity.



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EPEQ48VBATTERIES_091626_NML

ELIMENT® 48V LIFEPO4 BATTERIES

KEY FEATURES

- Industry-leading recharge performance
- Consistent power with full output down to 10% remaining charge capacity
- Long service life
- Scalable power for increased performance
- Zero maintenance with no watering, equalizing, or routine service required
- Auxiliary charging input that supports rooftop solar for supplemental off-grid charging
- UL1973-certified & IP67-rated for greater safety & durability

FLEXIBLE INSTALLATION OPTIONS

- Compact footprints & quick-connect plugs allow easy installation, relocation & service

Versatile Mounting Options

- Tool cabinets
- Van shelving units
- Service body side-packs
- On the chassis rail

NEW 7KWH LINEAR DESIGN ADVANTAGE

- The ELiMENT® 7kWh battery is optimized for long, narrow shelving spaces, with flat or edge-mount installation, giving upfitters maximum flexibility in tight installations
- With its IP67 rating, the 7kWh battery can also be mounted to the vehicle chassis rail, maximizing available cargo & load space

ADVANCED SAFETY BY DESIGN

Integrated EPEQ® Battery Management System (BMS) — Integrated protections

- Over-current & short-circuit
- Over-charge & over-discharge
- Over-temperature & under-temperature

CERTIFICATIONS

- UL1973 (entire assembly)
- IP67 (entire assembly)

SAFER LIFEPO₄ CHEMISTRY

- Chemically stable & non-combustible
- Mitigates thermal runaway, reducing overheating or ignition risk
- Nontoxic & free of hazardous fumes when used properly during the normal product lifecycle

SYSTEM MONITORING & CONTROL

Control Options

- Battery indicator (standard)
 - Simple, remote-mountable battery indicator with integrated power button
 - Displays battery state of charge (SOC), charging status, visual battery temperature status (hot/cold indication), system warnings & fault conditions
- EPEQ® Smart Display (optional)
 - 4.3" IP67-rated, anti-glare LED display for advanced battery monitoring
 - Provides real-time visibility of state of charge (SOC), charge/discharge activity, cell voltages, battery temperature, system warnings & fault conditions

Mobile App Connectivity — Real-Time Battery Monitoring

- Troubleshooting & diagnostics
- Access to key operating data
- Enables battery firmware updates via app

SPECIFICATIONS

ELiMENT® 5kWh

- 100Ah, 5.12kWh max
- 48V
- 109 lbs
- 13.2L x 16.7W x 13.4H with handles
- 12.7L x 15.2W x 11.4H without handles
- Cube form-factor

ELiMENT® 7kWh

- 135Ah, 7kWh max
- 48V
- 161 lbs
- 33.1L X 11.1W X 12H with handles
- 33.1L X 10.9W X 9.8H without handles
- Linear form-factor

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