



**BATTLE**  
M O T O R S



**PRODUCT CATALOG**



**A** severe-duty vehicle success story 77 years in the making, Battle Motors is a new nameplate to many, but we are no newcomer to the industry. Indeed, we are building upon decades of design and engineering knowhow, thanks to the manufacturing legacy of our predecessor, Crane Carrier Company. Today, we are forging a new road ahead in the vocational truck industry, producing work-ready diesel, compressed natural gas (CNG) and now a fully electric chassis designed and manufactured in America's heartland.

Purpose-built for the toughest jobs, if you need battle-tested trucks for fleets of any size, we have got two words for you: Bring It. That is because our durable, dependable trucks are built to excel in a multitude of environments and applications including refuse, recycling, construction, utility and now middle-mile and last-mile delivery.

In the electric vehicle category, Battle Motors is leading the charge with an unrivaled powertrain (and charging solutions) designed in conjunction with world-class US partners. Keeping your operations in the front seat when it comes to the latest in-cab technologies, all our trucks now feature our Smart Cab platform. This pairs our proprietary software system, RevolutionOS™, with factory-installed, ruggedized digital instrument clusters that deliver actionable data and information to drivers and fleet managers to enhance safety, efficiency and security.



Our ambitious vision is already in overdrive, with more than 750 municipal customers through 180 dealers in over 150 locations across the United States and Canada. Our state-of-the-art, 325,000-square-foot manufacturing facility gives us a clear runway to scale-up and transform our customers' operations—through the deployment of fully electric trucks designed to deliver unparalleled comfort, safety, visibility and reliability paired with lower maintenance costs, reduced noise and zero carbon emissions.

At Battle Motors, we are ready to roll into the future. We hope you can join us for the ride.





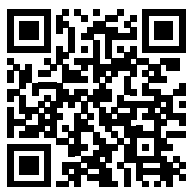
# LET2

## LOW ENTRY TILT 2

### ELECTRIC



<b>CLASS</b>	7 and 8
<b>GVWR</b>	33,000 - 72,000 lbs
<b>HORSEPOWER</b>	Up to 570 hp
<b>TORQUE</b>	1,165-1,991 lb-ft
<b>RANGE</b>	Up to 225 miles
<b>SPEED</b>	70+ mph
<b>BATTERY PACK</b>	240-400 kWh
<b>RECHARGE</b>	80% in 180 minutes
<b>MOTOR</b>	BorgWarner Cascadia Motion
<b>TRANSMISSION</b>	2 Speed Powershift
<b>CAB WIDTH</b>	94 inches
<b>STEERING</b>	LH, RH, or Dual
<b>SEATS</b>	2 Center Bench
<b>DOORS</b>	Standard or Bi-Fold



The fully electric Battle Motors LET2 is a force of quality engineering built to last, while delivering zero emissions, zero fuel costs, and lower maintenance costs. Good for our planet and good for your business, our electric LET2 lowers your total cost of ownership while reducing your environmental footprint.

The Battle Motors Smart Cab integrates our custom RevolutionOS™ and MobilEye's Shield+ Advanced Driver Assistance Systems (ADAS) to encourage safe driving and increase your bottom line. RevolutionOS™ effortlessly provides easy-to-read actionable data, diagnostics, equipment utilization, and access to service manuals at the touch of a button.



RevolutionOS™ Digital Dashboard



# LNT

## LOW NARROW TILT

### ELECTRIC



CLASS	6, 7 and 8
GVWR	26,000 - 33,000 lbs
HORSEPOWER	442 - 570 hp
TORQUE	1,165 - 1,991 lb-ft
RANGE	130 - 150 miles
SPEED	70 mph
BATTERY PACK	240 kWh
RECHARGE	80% in 110 minutes
MOTOR	BorgWarner Cascadia Motion
TRANSMISSION	Direct Drive or 2 Speed Powershift
CAB WIDTH	82 inches
STEERING	LH, RH, or Dual
SEATS	2
DOORS	Standard or Bi-Fold





The fully electric Battle Motors LNT is a narrow, nimble, and durable workhorse now delivering zero emissions, zero fuel costs, and lower maintenance costs. Good for our planet and good for your business, our electric LNT lowers your total cost of ownership while reducing your environmental footprint.

The Battle Motors Smart Cab integrates our custom RevolutionOS™ and MobilEye's Shield+ Advanced Driver Assistance Systems (ADAS) to encourage safe driving and increase your bottom line. RevolutionOS™ effortlessly provides easy-to-read actionable data, diagnostics, equipment utilization, and access to service manuals at the touch of a button.



RevolutionOS™ Digital Dashboard



Battle Motors offers a tilt and telescopic steering column for maximum driver comfort

82" cab width; 12" narrower than for tight applications

True low entry 18" step-in height on both sides



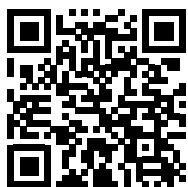
# LET2

## LOW ENTRY TILT 2

### CNG



<b>CLASS</b>	7 and 8
<b>GVWR</b>	46,000 - 72,000 lbs
<b>HORSEPOWER</b>	320 - 350 hp
<b>TORQUE</b>	1,000 - 1,450 lb-ft
<b>ENGINE</b>	Cummins L9N, X12N
<b>TRANSMISSION</b>	5 <sup>th</sup> Generation Allison 3000 RDS and 4500 RDS
<b>CAB WIDTH</b>	94 inches
<b>STEERING</b>	LH, RH, or Dual
<b>SEATS</b>	2 or 4
<b>DOORS</b>	Standard, Bi-Fold, or Flip-up Fold Back





All Battle Motors chassis models are available with Compressed Natural Gas (CNG) systems. CNG chassis are factory equipped with Fuel Management Modules (FMM), regulating CNG fuel system pressure, filtration and delivery to engine manufacturer's design recommendations, ensuring proper operation and factory support. Battle Motors offers behind-the-cab, (BTC) and saddle mount systems in various combinations, configurations and capacities to meet any specific installation and operating requirements.

Compressed Natural Gas powered trucks run cleaner and quieter and can equate to lower fuel costs and lower maintenance costs over the life of the vehicle. Battle CNG fuel systems are factory installed, supported and warrantied.



Fuel Management Module (FMM) integrated into all BTC and saddle mount systems NGV-1 and Transit Quick Connect Fuel Fill Connections located in FMM Factory installed, warrantied, and supported CNG systems in both BTC and saddle mount configurations from 45 DGE to 75 DGE



True low entry 18" step-in height on both sides

Conventional dash mounted fuel level gauge, standard with low level warning light

Front bumper fill connections available



# LET2

## LOW ENTRY TILT 2 CREW CAB

CNG



<b>CLASS</b>	7 and 8
<b>GVWR</b>	46,000 - 72,000 lbs
<b>HORSEPOWER</b>	320 - 350 hp
<b>TORQUE</b>	1,000 - 1,450 lb-ft
<b>ENGINE</b>	Cummins L9N, X12N
<b>TRANSMISSION</b>	5 <sup>th</sup> Generation Allison 3000 RDS and 4500 RDS
<b>CAB WIDTH</b>	94 inches
<b>STEERING</b>	LH, RH, or Dual
<b>SEATS</b>	2 or 4
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# LET2

## LOW ENTRY TILT 2

### DIESEL



<b>CLASS</b>	7 and 8
<b>GVWR</b>	46,000 - 72,000 lbs
<b>HORSEPOWER</b>	300-430 hp
<b>TORQUE</b>	860 - 1,650 lb-ft
<b>ENGINE</b>	Cummins L9 or Cummins X12
<b>TRANSMISSION</b>	6 <sup>th</sup> Generation Allison 3000 RDS or 4500 RDS
<b>CAB WIDTH</b>	94 inches
<b>STEERING</b>	LH, RH, or Dual
<b>SEATS</b>	2 or 4
<b>DOORS</b>	Standard, Bi-Fold, or Flip-up Fold Back



The Battle Motors LET2 is a workhorse that incorporates sophisticated engineering and quality that is built to last. Its rugged framework, durable cab construction, and attention to detail make this model a top choice in premier refuse and recycling collection fleets across the country.

With the lowest step-in height in the industry, the Battle Motors LET2 is packed with best-in-class features to maximize safety, increase space, and enhance maneuverability. An all-around powerhouse, the LET2 thrives in all applications and environments.



True low entry 18" step-in height on both sides



Remote mounted 1,814 square inch radiator produces quieter, cooler cab environment and allows for a pass through cab design

Large, flat, glass windshield; simple to replace and cost effective compared to complex, curved glass

Standard LED projection headlamps

True low entry 18" step-in height on both sides



# LET2

## LOW ENTRY TILT 2 CREW CAB

**DIESEL**



<b>CLASS</b>	7 and 8
<b>GVWR</b>	26,000 - 66,000 lbs
<b>HORSEPOWER</b>	Up to 380 hp
<b>TORQUE</b>	Up to 1,450 lb-ft
<b>ENGINE</b>	Cummins L9 or Cummins X12
<b>TRANSMISSION</b>	6 <sup>th</sup> Generation Allison 3000 RDS or 4500 RDS
<b>CAB WIDTH</b>	94 inches
<b>STEERING</b>	LH, RH, or Dual
<b>SEATS</b>	2 or 3
<b>DOORS</b>	Standard, Bi-Fold, or Flip-up Fold Back



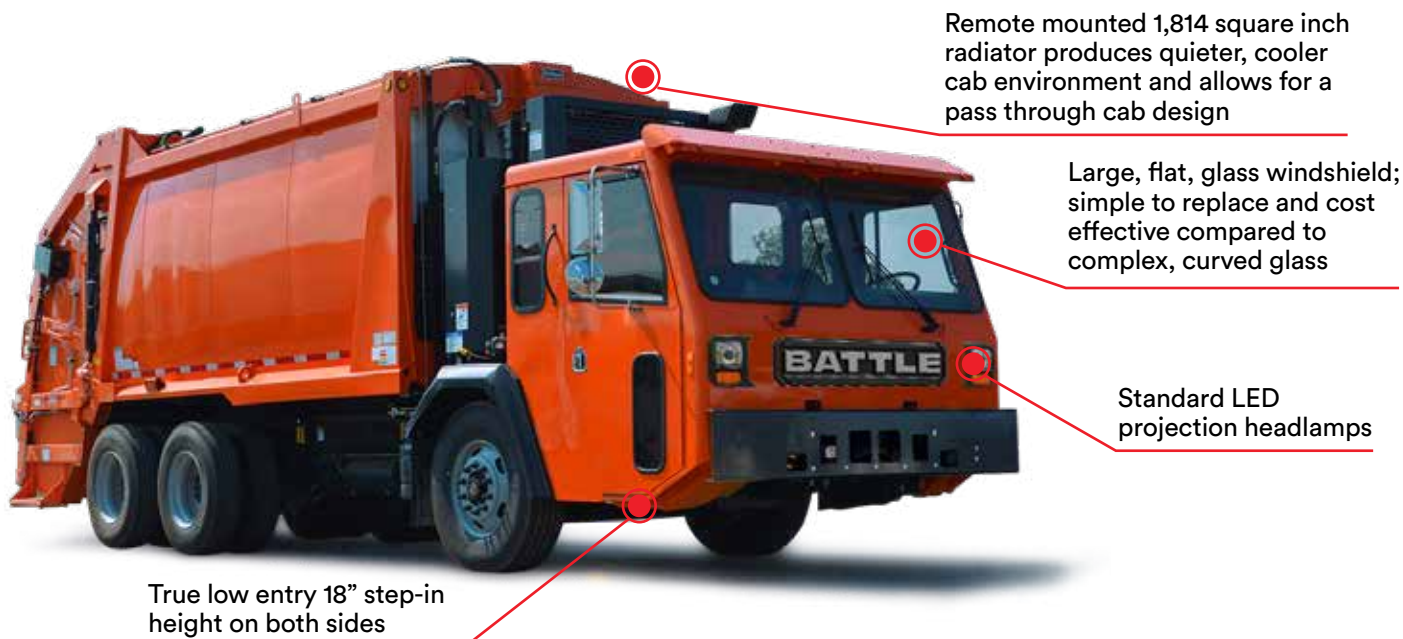


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Optional Bi-Fold doors for easy entry



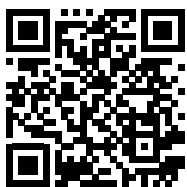
# LNT

## LOW NARROW TILT

### DIESEL



<b>CLASS</b>	6, 7 and 8
<b>GVWR</b>	26,000 - 66,000 lbs
<b>HORSEPOWER</b>	Up to 350 hp
<b>TORQUE</b>	Up to 1050 lb-ft
<b>ENGINE</b>	Cummins B6.7 or Cummins L9
<b>TRANSMISSION</b>	6 <sup>th</sup> Generation Allison 3000 RD, 3500 RDS or 4500 RDS
<b>CAB WIDTH</b>	82 inches
<b>STEERING</b>	LH, RH, or Dual
<b>SEATS</b>	2 or 3
<b>DOORS</b>	Standard, Bi-Fold, or Flip-up Fold Back



The Battle Motors LNT is ideal for pick-up, delivery and general transport challenges posed by dense city environments. Strategically designed at 12" narrower than our standard work truck chassis, the LNT expertly maneuvers tight side streets and alleyways; navigating access and service roads with ease.

With the lowest step-in height in the industry, the Battle Motors LNT is packed with best-in-class features to maximize safety, increase space, and enhance maneuverability. An all-around powerhouse, the LNT thrives in all applications and environments.



82" cab width engineered to be 12" narrower than our standard chassis for tight applications



Large, flat, glass windshield; simple to replace and cost effective compared to complex, curved glass

Standard LED projection headlamps

True low entry 18" step-in height on both sides





# LDT

## LOW DROP TILT CREW CAB

**DIESEL**

CUSTOM ORDER ONLY



CLASS	8
GVWR	46,000 - 72,000 lbs
HORSEPOWER	300-430 hp
TORQUE	860 - 1,650 lb-ft
ENGINE	Cummins L9 or Cummins X12
TRANSMISSION	6 <sup>th</sup> Generation Allison 3000 RDS or 4500 RDS
CAB WIDTH	94 inches
STEERING	LH, RH, or Dual
SEATS	4
DOORS	Standard, Bi-Fold, or Flip-up Fold Back



The Battle Motors LDT2 is a workhorse that incorporates sophisticated engineering and quality that is built to last. Its rugged framework, durable cab construction, and attention to detail make this model a top choice in premier refuse and recycling collection fleets across the country.

With the lowest step-in height in the industry, the Battle Motors LDT2 is packed with best-in-class features to maximize safety, increase space, and enhance maneuverability. An all-around powerhouse, the LDT2 thrives in all applications and environments.



Remote mounted 1,814 square inch radiator produces quieter, cooler cab environment and allows for a pass through cab design

Large, flat, glass windshield; simple to replace and cost effective compared to complex, curved glass

Standard LED projection headlamps

True low entry 18" step-in height on both sides

Drop Frame

# OUR CHARGING PARTNER

**⊕ POSITIVE ENERGY**  
**CHARGING STATION**



**2-4 hour charge times vs. 12+ hour charge times with slow charging** option to add up to five dispensers per PCS to enable sequential charging of the trucks. Charging technology is vehicle-to-grid (V2G) capable which enables future energy cost savings and ensures power resiliency at the site.



## Hardware & Software

- Level 2 AC slow chargers (9.6kW-19.2kW)
- Level 3 DC fast chargers (50kW-175kW+)

## Charging Services

- Site and facility consultations
- Facility infrastructure upgrades
- Installation
- Operations & maintenance
- Incentives management



Level 2 AC Charger



**Q:** How much do the chargers cost?

**A:** Specific prices are listed in the Battle Motors order guide. Level 3 prices are in the \$50-\$100K range.

**Q:** How much does it cost to install the chargers?

**A:** Installation costs for fast chargers vary by site but can be anywhere from \$20K to \$100K. In many markets, from 50% up to 100% of installation costs can be covered through various incentive programs.

**Q:** Why would I install a fast charger?

**A:** Level 3 fast chargers provide the convenience and flexibility of shorter charging times (2-4 hours versus 12+ hours of overnight charging with a Level 2 charger).

**Q:** What are charger lead times?

**A:** 16-18 weeks

**Q:** How many and what kinds of chargers do we need?

**A:** This will depend on the number of trucks that are ordered as well as the desired charge schedule. PositivEnergy will propose a charging solution after an initial consultation.

**Q:** How long will it take for these chargers to charge my truck?

**A:** ~2 hours with the 125kW charger, ~4 hours with a 60kW charger, ~12 hours with a 19.2kW charger

**Q:** What kind of mileage can I get from these chargers?

**A:** Up to 10 miles of driving distance per hour of charging with the 19.2kW, up to 25 miles with the 60kW, and up to 56 miles with the 125kW



Monitor your power from the dashboard



Dispenser

Power Conversion System (PCS)

# RevolutionOS™

## ADVANCED TECHNOLOGY FACTORY INSTALLED



Battle Motors has developed a software platform and operating system named RevolutionOS™ (RevOS™). RevolutionOS™ fuses analytics with operations to smartly operate the vehicle and delivers **RICH DECISION-MAKING DATA**. The focus is on driving business-unit focused outcomes whether they be maintenance, safety (ADAS), efficiency and/or compliance. Real and actionable data is presented to the driver and fleet manager.

### Two main parts:

**Server** – The brains behind the system that collects data from all the trucks in the Battle fleet. We are collecting over 2,000 messages per second from each truck.

**Digital Instrument Cluster** – User-level software that sits in the truck, offering actionable data for the operators.

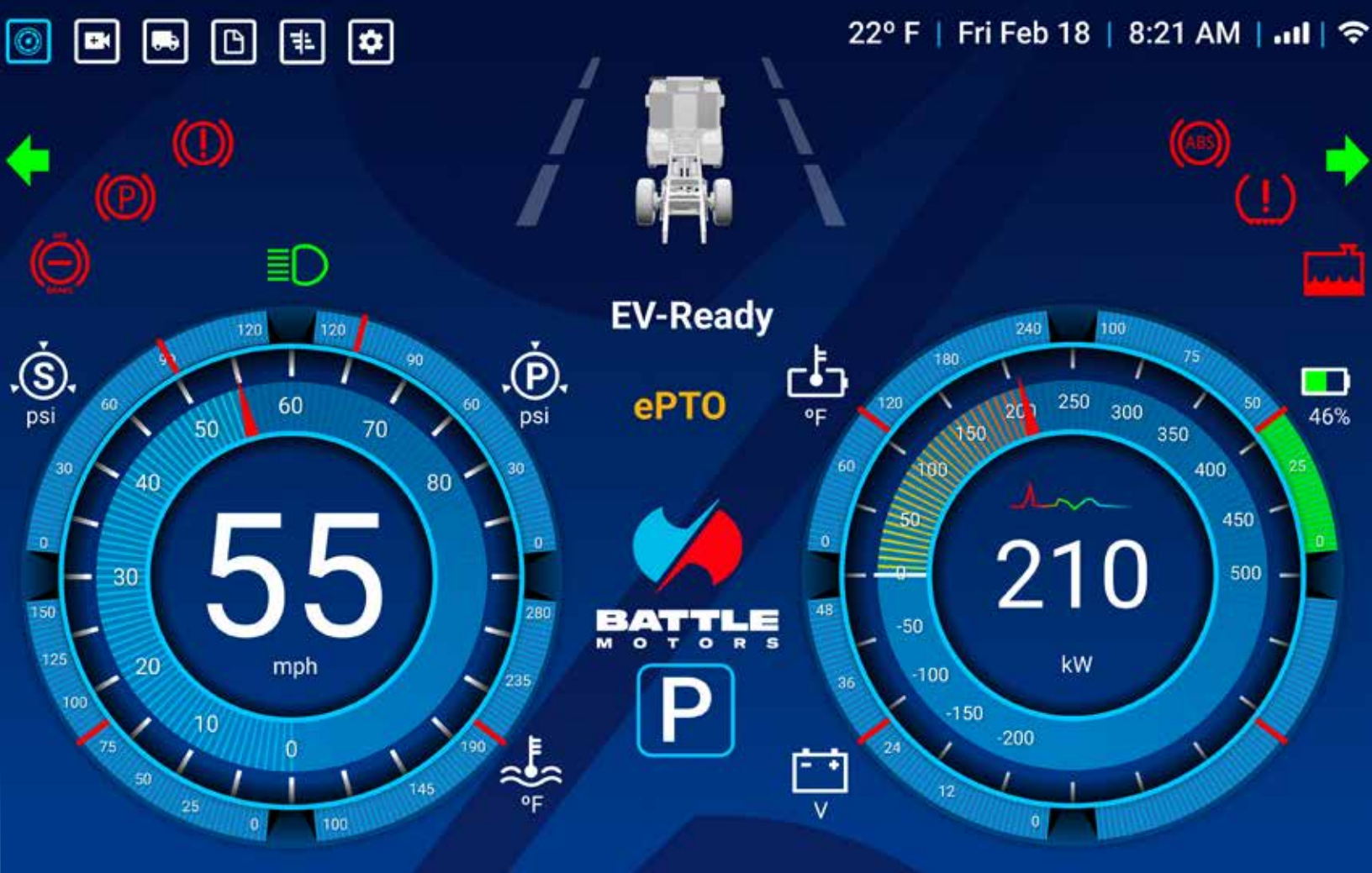


### Digital Dashboard Includes:

- Location Data
- Route Loading
- Service and Parts Intelligence
- Advance Driver Assistance Systems (ADAS)
- Entertainment
- Messaging
- Reporting







### Featuring Over-the-Air Updates

- Uses state-of-the-art security practices
- Unique cryptographic digital signatures per truck
- Passes down new VCU images
- Updates VCU on off times – while truck is not running
- Improves and customizes EV optimization and add features
- Troubleshoots/repairs issues within the system
- Learns from the fleet to provide optimizations

### Built-In Feature:

- Advanced Driver Assistance Systems (ADAS) is standard
- Location Data data in real time and historic
- Service and Parts Intel
- Reporting
- Web based reporting - Role Based Web UI
- Compliance and traceability - who, what, when, and where
- Range Data to show the Battle Electric truck can meet your route demands







## LEASES & LOANS

### Products and Information Available for BEV and ICE

Battle Motors Capital was established to support the sale of Battle Motors' Class 6, 7, and 8 heavy-duty work trucks. Battle Motors is the vocational truck industry, producing work-ready diesel, compressed natural gas (CNG) and now a fully electric chassis designed and manufactured in America's heartland. Our durable, dependable trucks are built to excel in a multitude of environments and applications including refuse, recycling, construction, utility, and now middle-mile and last-mile delivery.

Battle Motors Capital, through its extensive dealer network, offers competitive pricing on full payout loans, TRAC leases and balloon terms up to 84 months, and market leading Fair Market Value Leases for lower monthly payment on all its EV, Diesel and CNG equipment. In addition to customer financing, Battle Motors Capital, through its program with Mitsubishi HC Capital America, offers floor plan financing to its dealers and insurance to its customers through Mitsubishi HC Capital America throughout the US and Canada.





## LEASES & LOANS

- Loans up to 84 months
- FMV walk-away leases (off-balance sheet leases)
- Trac leases (on or off-balance sheet)
- For dealers: lease to re-lease, daily rental, short- and long-term leases
- Warranties and charger leasing and financing
- Early buy outs and end of term options
- Gap coverage
- Full array of insurance products from Mitsubishi HC Capital America
- Floorplan Program



**BATTLE**  
M O T O R S  
C A P I T A L





# ELECTRIC

## Applications



**BEVERAGE DELIVERY**



**DRY FREIGHT**



**STAKE & FLATBED**



**ROLL OFF**



**REFUSE**



# ELECTRIC

## Applications



**REFUELER**



**WATER TRUCK**



**SWEEPER**



**DIGGER DERRICK**



**CITY TRACTOR**



**BUCKET**



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