INTERNATIONAL® TRUCK EMV™ SERIES

FREQUENTLY ASKED QUESTIONS: PRODUCT

HOW IS SAFETY BUILT INTO ELECTRIC VEHICLES FROM INTERNATIONAL?

Important safety features include:

- Electric "handshake" high-voltage interlock
- Charging only possible when the cable is fully connected
- Protection from high voltage during charging, maintenance, or accidents with the use of high voltage disconnect switches
- Safe in all weather conditions
- Vehicle is immobile while charging, making it impossible to drive off while connected

WHAT IS REGENERATIVE ("REGEN") BRAKING AND WHY ARE THERE 3 LEVELS OF REGENERATIVE BRAKING?

One reason today's electric trucks can achieve such impressive range is regenerative braking technology. Instead of using friction from the brake rotors (which is wasted energy) to slow the vehicle under moderate braking, electric trucks use the electric motor to slow down while at the same time charging the battery. International Truck eMV Series has 3 Levels of Driver-Selectable Regenerative Braking which allows the driver to choose the level they want to use.

HOW DO THE THREE LEVELS OF DRIVER-SELECTABLE REGENERATIVE BRAKING FROM INTERNATIONAL® WORK?

There are 3 levels of Regenerative braking. The driver can change levels while driving.

- Level 1 provides similar stopping capabilities to a traditional automatic transmission vehicle.
- Level 2 provides a moderate amount of regenerative braking.
- Level 3 allows for one-pedal style driving and will slow the vehicle to a few miles per hour with the driver using the service brake to bring the vehicle to a complete stop.

HOW LONG DOES AN EV BATTERY LAST?

It is not unusual for batteries to last the life of the vehicle. The standard battery warranty is 5 years/100,000 miles. Factors such as battery composition, temperature and charging rate may affect EV battery performance.

WHAT IS THE ESTIMATED RANGE OF THE INTERNATIONAL TRUCK EMV SERIES?

Estimated range varies due to a number of factors, but most vehicles achieve a reliable range of 135 miles per charge for the 210 kWh battery system.

WHAT FACTORS CAN AFFECT RANGE?

Climate, terrain, use of regenerative braking, AC/Heat usage, and vehicle body use with ePTO and ePower may all affect range. The International team can help with route consultation to determine range for your application.

WHERE IS THE CHARGE PORT LOCATED ON THE TRUCK?

The default charger port location is currently left-side mount under cab.

WHAT IS THE INTERNATIONAL TRUCK EMV SERIES PAYLOAD CAPACITY AT VARIOUS FRAME LENGTHS?

The eMV is roughly 3500 pounds heavier than a similar diesel spec in any frame length. Payload capacity would be reduced by 3500 pounds for BEV vs. diesel. Actual weights may vary from what is stated above and can be provided by creating a specification.

WHAT IS THE ELECTRIC VEHICLE DELIVERY PROCESS FROM THE FACTORY?

Electric vehicles are typically towed or transported on flatbed to the International Dealership where the PDI (Pre-Delivery Inspection) is completed and delivery to customer is scheduled.

WHAT IS THE STATE OF CHARGE AT DELIVERY FOR ELECTRIC VEHICLES?

EVs typically arrive at the destination with around 30-40% state of charge.

WHAT IS THE GROUND CLEARANCE OF THE INTERNATIONAL TRUCK EMV SERIES?

The current eMV ground clearance is 9.5”. All vehicles (Electric or Diesel) have the minimum ground clearance allowed at 6.5”

IN THE CASE OF A THERMAL EVENT, WOULD IT BE BENEFICIAL TO HAVE FIRE SUPPRESSION NEAR AREAS THAT COULD CAUSE THE THERMAL EVENT?

Adding additional fire suppression systems would add cost and weight. With the vehicle design, there are no moving parts that generate excess heat. Our battery chemistry is known in the industry to have substantially less risk of thermal events.

WHAT IS THE PURPOSE OF THE BATTERY THERMAL MANAGEMENT SYSTEM?

Our purposely designed battery thermal management system is focused on keeping the batteries at an optimal temperature range to reduce the risk of battery overheating and protect battery integrity.

DOES ALL HIGH VOLTAGE REPAIR HAVE TO BE DONE AT THE DEALERSHIP?

High Voltage service should be done at the supporting EV certified dealership, as they are trained and equipped to support the repairs.

ARE THERE ANY CONCERNS WITH WASHING ELECTRIC VEHICLES?

There is no issue with washing your electric vehicle. It is advised to avoid washing your vehicle while it's charging and avoid high pressure spray on electrical components, especially directly into connectors.