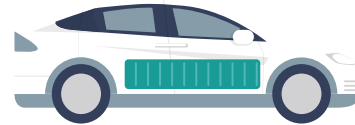


# GreenTrax for EVs: Battery Identification Guidelines

The GreenTrax portal will require certain details regarding the EV battery in order to schedule its collection. This includes the EV battery size and weight, which will determine the size of shipping container (if needed) and other decisions around transportation of the battery.

## 1 Identify EV battery characteristics

Inspect **each** battery to be collected for the following information:



### Vehicle Details

- Vehicle make & model
- Vehicle production year

### Battery Composition & ID

- Chemistry of the battery (i.e. Li-Ion, NiMH, etc.)
- Battery serial number, part number, VIN, or similar identifying number for tracking

### Physical Battery Attributes

- Battery length, width and height in cm or in
- Battery weight in kgs or lbs

## 2 Determine battery disposition: End-of-Life vs Damaged-Defective

US DOT requires the shipper to identify if the battery is End-of-Life (EOL) or Damaged-Defective (DD).

An EOL EV battery is defined as a used battery that has come to the end of its service life in its current vehicle. This battery has no signs of damage, defects, or past and present thermal events. A battery may be identified as EOL only after ruling out any characteristics of damage (thermal or non-thermal) or defect.

Review the following characteristics to determine which category the battery belongs to:

### Damage Characteristics

- Dents, punctures, cracks in battery outer shell
- Water damage including water coming out from within the battery pack\*
- Corrosion on the terminals.
- Broken terminals
- Loose wiring either inside the battery pack or hanging out of the battery pack
- Signs of tampering

### Thermal Event Damage

- Swelling
- Melted plastic
- Hot to touch
- White/grey smoke
- Sweet bubble gum type of smell
- Crackling sound
- Flames
- Burn or scorch marks

### Defective Characteristics

- The battery management system is giving a defective message and/or the vehicle manufacturer has determined the battery to be defective in nature.

\*If the electric vehicle and/or battery pack has been damaged due to flooding (salt water or fresh water) do not attempt to charge or drive the vehicle/battery. Call first responders as the battery pack may now be at risk of a thermal event.