

“EE” Batteries

Some facilities where battery powered vehicles operate are classified as “Hazardous Locations”. Typically, these are facilities where combustible gasses or vapors, explosive mixtures or other hazardous materials are used, manufactured or processed.

Electric powered lift trucks used in Hazardous Locations **MUST**, by law, be equipped with special construction to allow them to operate safely in the hazardous environment.

If the facility is defined as “EE” the truck may require an “EE” battery. As a general rule, a truck with an enclosed battery compartment (in conformance with UL 583) and having an “EE” designation on its factory nameplate does not require an “EE” battery. **Where the battery compartment is exposed, a battery with “EE” construction is MANDATORY.**

If an “EE” battery is specified, a **special** covered battery is required. It may be 0.5" higher than a normal covered battery. Its cable leads will not be interchangeable (cable position on EE batteries is always between 2.0" and 6.0" in from the tray end). EE batteries have the same base dimensions as standard batteries.

A Type EE battery is a battery assembled as a unit with a cover, and in conformance with ANSI/UL 583, that can be locked for use in type EE trucks which do not have an enclosed battery compartment.

Along with the battery type designation on the truck nameplate, a Type EE industrial truck must have the EE marker (illustrated below) applied to each side of it.
(Black outline and letters on a yellow background.)

