

Instructions for Packaging VRLA Batteries on Pallets

Correctly Packaged VRLA Batteries



- Double layers of cardboard on top
- Proper labeling
- Banded together with high-strength banding
- Cardboard between layers
- Cardboard below
- Shrink wrapped to pallet – **many layers of shrink wrap** to avoid shifting during shipment

It is not possible to have too much shrink wrap or banding to secure the material to the pallets. A general rule would be once you think you have it wrapped – add six more revolutions of wrap.

Incorrectly Packaged VRLA Batteries



- No cardboard evident – top, bottom or between layers
- Insufficient banding
- Insufficient shrink wrap
- No terminal protection
- NOT shrink wrapped to the pallet to avoid shifting during shipment
- No labeling

VRLA Non-Spillable Battery Packaging and Shipping Instructions

These instructions must be followed exactly.

These instructions are for VRLA or gel type lead acid batteries only. If you are unsure of the type of batteries that you have, please contact us for assistance.

Planning

Under the Universal Waste Law, you must contact Battery Solutions before sending a shipment of Universal Waste Batteries to us so we can assign a recycling authorization tracking number to the shipment.

We will provide you with the address of the nearest Battery Solutions recycling center for your shipment and arrange transportation and handling, as required.

- When calling please let us know:
 - If you do or do not have a loading dock or lift truck to load the batteries for shipment.
 - If you do not have an asphalt or concrete loading area, please inform us before you package the batteries.
 - If you have a single VRLA battery to be shipped.

Packaging and Labeling

- All batteries must be packaged on a pallet in either individual boxes or with an ample amount of cardboard between layers and over the top layer to protect all the terminals.
- Do not use Styrofoam packaging material, i.e. peanuts, foam padding, flow-foam products, etc. in the battery boxes or in the pallets. Using these materials will incur a surcharge. All types of cardboard and shrink wrap material are acceptable.
- Only use heavy-duty pallets with 2x4 supports. When packaging the batteries, if the batteries are not in boxes, place one layer of batteries upright, then place cardboard on top of that layer before you put another layer of batteries on the pallet. Place more cardboard on top. When packaging batteries that are over 16 inches tall, only put one layer high on each pallet.

- All batteries should be carefully banded to a strong wooden pallet with 5/8 inch vinyl banding making certain that the banding does NOT come in contact with battery terminals. The top surface of the pallet itself should have 2x2 wooden strips nailed to the pallet surrounding the base of the batteries to prevent the batteries or drums from sliding off the pallet during transit.
- Shrink wrap the layers heavily to the pallet making sure the shrink wrap is all the way down around the pallet itself. Use enough shrink wrap to keep the batteries from shifting during transportation. NEVER put more than three layers of batteries on each pallet. The whole pallet with the layers should never be taller than it is wide. That means never exceed 4 foot tall.
- The provided non-spillable labels must be placed on opposite sides of each pallet.
- If the batteries are damaged or leaking please call the Battery Solutions logistics department for instructions.
- A single VRLA battery can be packaged in a heavy duty box and shipped FedEx Ground. Box weight should not exceed 130 pounds. Label the box with the non-spillable and prepaid FedEx PRP labels provided.

Shipping

- Have the driver of the trucking company sign the bill of lading that was provided to you. Keep a signed copy for your records.

Contact Information

To plan a shipment or for any questions call our logistics department at 800-852-8127.



The party shipping or transporting batteries (the "Shipper") to Battery Solutions, LLC ("BSL") must properly secure the batteries to pallets prior to loading them onto a truck. Packaging and Labeling must be in compliance with the U.S. Department of Transportation – Code of Federal Regulations (CFR).

Attention Battery Solutions, LLC Customers - Notice to Comply:
As the shipper of record you must fully comply with all U.S. Department of Transportation regulations.