Valve regulated lead acid (VRLA) is a non-spillable category of lead batteries. VRLA non-spillable batteries may be small or automotive size. These cells are sealed by design.

Correctly Packaged VRLA Batteries

Prepare Shipment

- Double layers of cardboard on top
- Proper labeling
- Banded together with high-strength vinyl banding
- Cardboard between layers
- Cardboard below
- It is not possible to have too much shrink wrap or banding to secure the material to the pallets.

Package Pallet

- Shrink wrap to pallet. Using layers of shrink wrap down to bottom edges of the pallet will help avoid shifting during shipment.
- A general rule would be once you think you have it wrapped –add six more revolutions of wrap.
- If you can easily poke fingers through the shrink wrap, you need to add more.

Label & Ship

- Attach appropriate labels to outermost layer of shrink 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

Contact Battery Solutions for recycling authorization tracking number. Begin to build shipment on 40” by 48” pallet.

Protect terminals of each layer of batteries.

Prepare Shipment

- Package Pallet

Label & Ship

- Attach appropriate labels to outermost layer of shrink wrap.

Prepare Shipment

- Package Pallet

Label & Ship

- Attach appropriate labels to outermost layer of shrink wrap.

Prepare Shipment

- Package Pallet

Label & Ship

- Attach appropriate labels to outermost layer of shrink wrap.

Prepare Shipment

- Package Pallet

Label & Ship

- Attach appropriate labels to outermost layer of shrink wrap.
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.

Contact Information & Considerations

If batteries are damaged or leaking, or if you are unsure if batteries are damaged, please call the Battery Solutions logistics department for instructions.

To plan a shipment or for any questions call our logistics department at 800.852.8127.

Planning a Shipment

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

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

When calling please inform us:

- Of your specific pick-up hours.
- 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.
- If you have a single VRLA to be shipped.

Single Battery

A single VRLA battery can be packaged in a heavy-duty box and shipped FedEx Ground. Box weight should not exceed 130 lbs. Label the box with the non-spillable and prepaid FedEx PRP labels provided.

Pallet Limitations

- Only use heavy-duty pallets with 2” x 4” supports.
- Pallet Size should not exceed 40”x48”.
- Pallet weight should not exceed 2800 lbs.
- Pallet heights should not exceed 48” tall.
- The whole pallet with the layers should never be taller than it is wide.

Packaging Pallet to Ship

- The top surface of the pallet itself should have 2”x2” 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.
- 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.
- 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.
- 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” tall, only put one layer high on each pallet.
- All batteries should be carefully banded to a strong wooden pallet with 5/8” vinyl banding making certain that the banding does NOT come in contact with battery terminals.
- 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 provided non-spillable labels must be placed on opposite sides of each pallet on the outermost layer of shrinkwrap.

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.

The party shipping or transporting batteries (the “Shipper”) to Battery Solutions, LLC. (“BSL”) must properly secure the batteries to pallets prior to loading onto the 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.