INSTRUCTIONS FOR STACKING PALLET

1. Select a sturdy pallet with no broken or missing boards. Be sure there are no nails sticking up, which could puncture the batteries.

2. Place a layer of cardboard on the pallet to prevent the batteries from falling off of the pallet. If some of the batteries are shorter, they should be placed in the center of the pallet and gel-lead-acid batteries must be stacked so the posts are facing away from each other and not facing towards the outside of the pallet.

3. Place waffleboard (preferred) or sufficient cardboard (multiple sheets if necessary) between all layers, including the top layer of batteries to prevent the possibility of puncturing the batteries and short circuit.

4. Place the waffleboard (preferred) or sufficient cardboard (multiple sheets if necessary) between all layers, including the top layer of batteries to prevent the possibility of puncturing the batteries.

5. Place cardboard on top of pallet.

INSTRUCTIONS FOR WRAPPING PALLET

1. Start with the stretch wrap turned sideways to create a rope effect (see fig. 1). Wrap around the top layer four or five times.*

2. Still using the rope effect, wrap the top layer twice* again, crossing over the top each time to form an “X-pattern.” This will pull the batteries towards the center to prevent batteries from falling off of the pallet, a DOT requirement.

3. Hold the stretch wrap open (see fig. 2 and 3), wrap around the bottom layer four to five times*, being sure to catch the edges of the pallet, a DOT requirement.

4. Finally, after placing cardboard on top of the batteries, wrap around the top layer four or five times with the stretch wrap in the open effect and tear at the last corner.

* Wrap as many times as necessary to stabilize the load.

Important Pallet Specifications

- Maximum pallet size: 44” x 48” or 40” x 48”
- Maximum weight per pallet: Approx. 3600 lbs.
- Maximum layers per pallet: 3
- Maximum pallet sizes: 44” x 48” or 40” x 48”
- Battery load must be secured to the pallet with stretch wrap.
- Pallet must be constructed with a minimum of three bottom layers and durable enough to handle the battery load.
- Sharp return battery pallet using pallet provided with new shipment if possible.

Important General Handling Requirements

- Batteries must be secured to the pallet with stretch wrap. Stretch wrap works best if it is pulled tight before stretching it around the corners. Figure 4 shows a properly wrapped pallet.
- Make sure that no batteries are overhanging the waffle board or sheets of cardboard.
- Do not throw or drop batteries. Put batteries carefully down on pallet.
- Keep batteries upright at all times. Do not tip over on side or upside down.
- Do not throw or drop batteries. Put batteries carefully down on pallet.
- Batteries must be handled with the same responsible care as new batteries.
- Gel lead-acid batteries are not visibly leaking electrolyte must be put in plastic bags (minimum: 6 mil), properly sealed in the middle of the top layer of the pallet.
- All batteries must be secured to the pallet with stretch wrap. Stretch wrap works best if it is pulled tight before stretching it around the corners. Figure 4 shows a properly wrapped pallet.
- Do not use the rope effect, wrap the top layer twice* again, crossing over the top each time to form an “X-pattern.” This will pull the batteries towards the center to prevent batteries from falling off of the pallet, a DOT requirement.
- Hold the stretch wrap open (see fig. 2 and 3), wrap around the bottom layer four to five times*, being sure to catch the edges of the pallet.
- Finally, after placing cardboard on top of the batteries, wrap around the top layer four or five times with the stretch wrap in the open effect and tear at the last corner.
- Wrap as many times as necessary to stabilize the load.

These guidelines were developed by a committee of industry experts and are believed adequate to assure compliance with DOT regulations effective as of December, 2010. However, especially if an incident occurs in transit, regulatory authorities may challenge the adequacy of your packaging and load securing notwithstanding your compliance with these guidelines. Form N o. 1504 © 2020 Printed in the U.S.A.