

PALLETIZING SCRAP BATTERIES FOR SHIPMENT

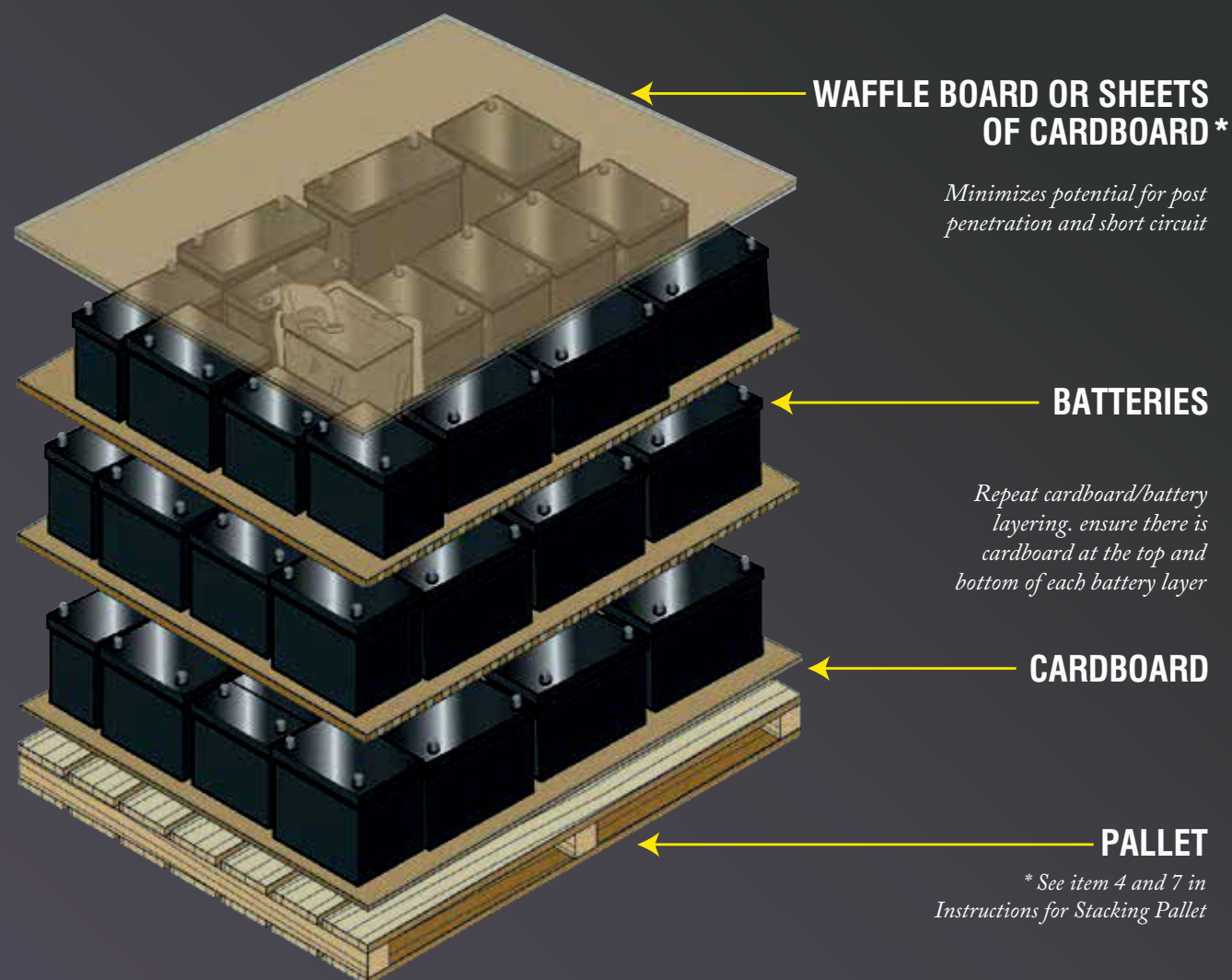
⚠️ GENERAL HANDLING REQUIREMENTS

Before handling batteries, please read & adhere to the following requirements:

- Wear appropriate protection equipment.
- Handle all used batteries with the same responsible care as new batteries.
- 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.

⚠️ PALLET SPECIFICATIONS

- Max pallet sizes: 44" x 48" or 40" x 48"
- Max weight per pallet: 3600 lbs.
- Max layers per pallet: 3
- Pallet must be constructed with a minimum of three bottom boards and durable enough to handle the battery load.



INSTRUCTIONS FOR WRAPPING PALLET



Figure 1



Figure 2



Figure 3



Figure 4

- 1 Start with the stretch wrap turned sideways to create a rope effect. Wrap around the top layer twice.*
- 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 & 3), wrap around the bottom layer twice*, being sure to catch the edges of the pallet.
- 4 Finally, after placing cardboard on top of the batteries wrap around the top layer twice* with the stretch wrap in the open effect and tear at the last corner.
- 5 All batteries must be secured to the pallet with stretch wrap and strapping /banding, both around and over top of the pallet. Stretch wrap works best if it is pulled tight before stretching it around the corners. Figure 4 shows a properly wrapped pallet.

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

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. Stack battery pallet using pallet provided with new shipment if possible.
- 2 Place a layer of cardboard on the pallet to prevent the batteries from sliding off of the pallet.
- 3 Make the first layer of batteries level and as close together as possible. If some of the batteries are shorter, they should be placed in the center of layers. Taller batteries should be placed on the top layer.
- 4 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 above and short circuit. Place cardboard on top of pallet.
- 5 Side terminal batteries must be stacked so the posts are facing away from each other and not facing towards the outside of the pallet. Side terminals must never touch
- 6 Top posts must be positioned toward the outside of the pallet so the layer above it leans toward the center. Make sure that no batteries are overhanging the waffleboard or sheets of cardboard.
- 7 Stud post batteries (Marine, Group 31, Golf Cart) should be on the top layer. If this is not possible, you will need extra layers of cardboard between the layers of batteries to prevent punctures. This is also important when stacking three layers high.
- 8 Damaged batteries that are not visibly leaking electrolyte must be put in heavyweight polyethylene plastic bags (minimum: 6 mil), properly sealed with plastic tie and placed in the middle of the top layer.

