



STANDARD OPERATING PROCEDURES

34" BOS Bulk Bin



Overview & User Instructions

The 34" PVpallet BOS Bulk Bin (PVPB4845-34) is a stackable, collapsible box with a pallet style base for optimal lifting and moving. These robust containers are made from post-industrial HDPE and are ideal for shipping and storing solar balance of system components in a sustainable way.

SPECIFICATIONS

- ▶ **Exterior Dimensions (L x W x H):** 48.0" x 45.0" x 33.8", collapsed height: 12.75"
- ▶ **Interior Dimensions (L x W x H):** 44.5" x 41.5" x 27.8"
- ▶ **Total Pallet Weight:** 118 lb
- ▶ **Max Load Capacity:** 1,800 lb (not designed for loose, bulk-loaded items)
- ▶ **Fill Line:** 26.8" (fill-line molded on inside of walls)
- ▶ **Inside Volume:** 28.6 cu ft (calculated with no top cap)
- ▶ **Access Doors:** Two access doors are standard on 48" walls, but options are available

SHIPPING

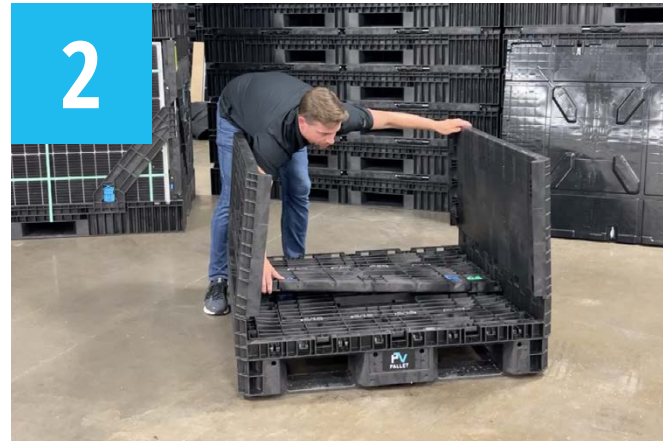
- ▶ **Bins Only—53' Trailer Quantity:** 78 erect (26 stacks of 3 bins), 234 collapsed (26 stacks of 9 bins)
- ▶ **Bins with Lids—53' Trailer Quantity:** 78 erect, 200 collapsed (22 stacks of 9 bins, 2 stacks of 50 lids, 2 stacks of 50 lids plus 1 bin)
- ▶ **Truck Stack Height:** 3 high erect (99.4"), 9 high collapsed (106.7"), 50 lids per pallet (80")



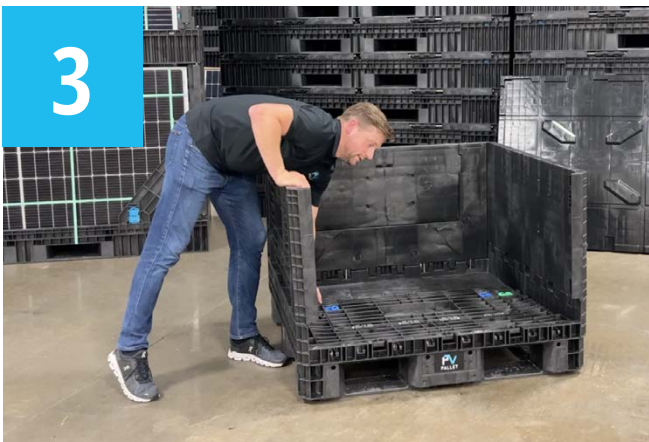
Erecting a BOS Bulk Bin



▶ Pull up on first two folded walls.



▶ Hold walls up, they will not stay vertical on their own.
▶ Pivot next folded wall upward and snap into place, engaging green wall latches.



▶ Repeat with last wall.



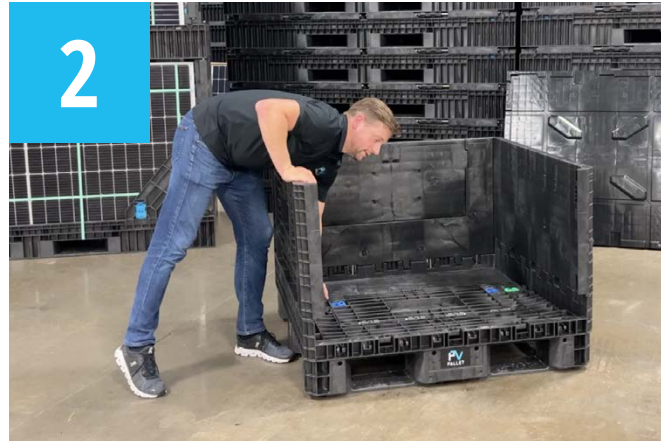
▶ Inspect wall latches to ensure they are engaged.

IMPORTANT: Inspect entire BOS Bulk Bin before and after each use. Look for missing/damaged/disengaged latches or any fractures in the bin itself. If any damage is noted, the bulk bin **SHOULD NOT BE USED**. All features are involved in the proper function of the bulk bin, so any damage compromises its use.

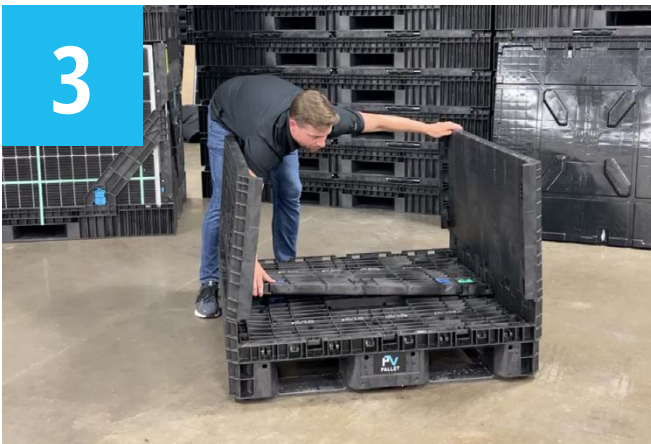
Collapsing a BOS Bulk Bin



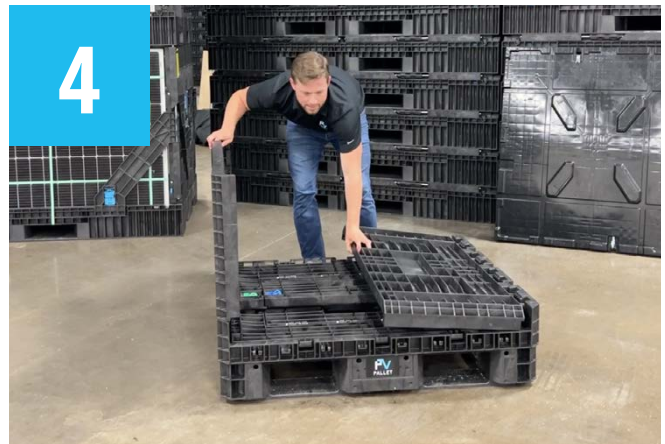
▶ Walk to side with green release latches (on 48" walls).



▶ Pull latches in towards the centerline to disengage and gently push or set wall down onto base.



▶ Walk around to opposite side and release latches. You may want to hold the two 45" walls up while pivoting this second 48" wall down to base. Otherwise they might try to fold down at the same time. This won't cause damage - will just be noisy.



▶ Lower two 45" walls down, one at a time, in any order.

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Using Access Doors

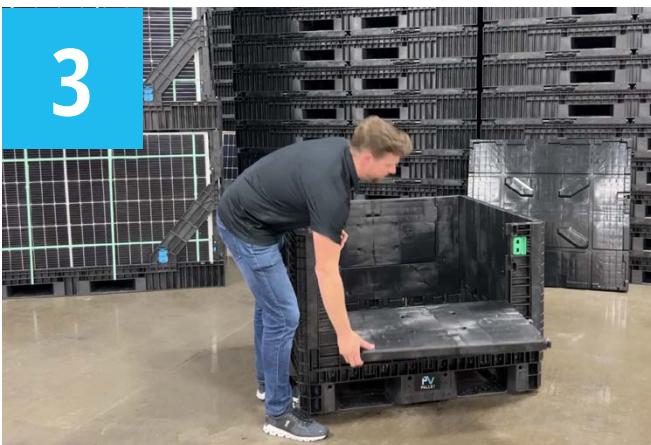
Standard 34" BOS Bulk Bins have two access doors, one on each 48" wall.



▶ If loading manually with access doors, pull blue latches towards the centerline to disengage the door.



▶ Pivot the access door outward until it rests vertically against the outer wall. Load/unload bulk bin.



▶ To close access door, lift upward and gently snap the wall into place, engaging both latches.



▶ Inspect door latches to insure that they are engaged.

Forklift Driver Tips for Stacking Loaded BOS Bins

BOS Bulk Bins are designed to stack on one another relatively easily with practice. There is plenty of clearance in the fit so the forklift operator does not need to be extra precise. It takes some initial practice to see which technique feels best but it will be natural within a few days.

INITIAL POSITIONING



- ▶ Enter on the 48" sides (latches showing).
- ▶ Before lifting high, square the bulk bin being raised to the one staying on the ground. This establishes side-to-side positioning.
- ▶ Lift above the stack height and move in straight.

REAR STOP (NO TOPCAP LID)



- ▶ When you are about $\frac{3}{4}$ of the way in, angle the forks downward slightly and lower the fork height so the bottom of the lifted pallet is at the top of lower bin.
- ▶ Drive forward slowly until the lifted bulk bin hits the back wall of the lower bin.
- ▶ Lower forks while leveling them and pull out. Top bin should fall right into place.

FRONT STOP (NO TOPCAP LID)



- ▶ Go forward until the sides facing driver are somewhat even.
- ▶ Angle forks upward slightly.
- ▶ Lower load, lining up front corners until the top bin feet drop into the lower bin.
- ▶ Level forks and bottom feet should drop in at the back.

STACKING WITH TOP CAP LID



- ▶ The top caps are designed to receive the bulk box in a straight vertical placement.
- ▶ Align bulk bins side-to-side like above and drive in until the fronts are close.
- ▶ Visual judgment should be adequate for placement.

Final Product Notes

- ▶ The 48" side of the BOS bin is identifiable by the colored latches and access doors. Both the 45" and 48" lengths are also imprinted in the lower right corner of the bin base.
- ▶ 34" high BOS bins should not be stacked more than 3 high in the warehouse. If you want to stack higher, please consult PVallet about your specific application.
- ▶ PVpallet BOS bulk bins are not designed for loose bulk loads. The outward pressure can cause fractures in the components and misalignment of latches.
- ▶ Visually from the side, the walls may look as if they are flexing outward. They are not. The walls are sculpted to receive the access doors in their vertical hanging position, minimizing how far out the access doors stick out to reduce accidental collisions.
- ▶ As all products can have unique loading patterns and shifting characteristics, PVpallet recommends that customers perform their own load capacity testing. PVpallet's standard is to target and test to the maximum weight limits as shown in the specifications. PVpallet does not warrant that all loads will perform the same as lab testing.
- ▶ Banding requirements for transit should be assessed by each customer and/or specific project.
- ▶ Bulk boxes are not affected by water exposure.
- ▶ If exposed to U.V., the color will degrade well before the plastic starts losing its properties; discoloration does not mean lessened performance.
- ▶ If stored outside, please make sure BOS bins are clean and free of any debris/dirt that would impede the movement and proper engagement of the moving parts.
- ▶ **If any damage is visible, the bulk bin should not be used.**

Questions?

If you have questions or further need assistance, we're here to help. Below are some resources to ensure you get the most out of your product.

CONTACT US

▶ **Phone:** (877) 787-2553

▶ **Email:** help@pvpallet.com

USER VIDEOS

▶ **Instructions:** pvpallet.com/instructions

▶ **YouTube:** [@pvpallet](https://www.youtube.com/@pvpallet)

ACKNOWLEDGEMENT OF TRAINING

I _____ (trainer full name) acknowledge that I received training on _____ product(s) by a PVpallet representative on _____ (date).

All items listed in this document were discussed during training and I take responsibility for training future users on safety and best practices for using PVpallet products.

Signature of Trainer: _____

Signature of PVpallet Representative: _____