

FranklinWH Lifting Dolly Users Manual

Version 1.2



FranklinWH

Lifting

Dolly

Users Manual

Content

FranklinWH Lifting Dolly Specifications	4
Instructions for safe operation	5
Parts & Assembly	7
Accessories	7
Product Parts	8
Assembly	9
Operations with aPower	11
Loading an aPower	11
Moving an aPower	13
Mounting an aPower	13
Safety Straps	14
Maintenance	17
Instructions for Spare Parts Replacement	18

FranklinWH Lifting Dolly Specifications

FranklinWH Lifting Dolly is used to transport aPower batteries to installation sites.

Specifications

Weight	79.4 lbs. (36kg)
Rated load	407.8 lbs. (185 kg)
Dolly Dimensions	57.6 in x 19.3 in x 24.2 in (1465 mm x 490 mm x 615 mm)
Maximum Install Height	33.5 in. (850 mm)
Maximum Lift Capacity	551.2 lbs. (250 kg)
Lifting Mechanism	Sprockets
Lifting Power Source	Drill
Wheel Type	Pneumatic tires (compatible with solid tire)
Model Number	ACCY-LiDollyV1
Operating Temperature	-4°F to 122°F (-20°C to 50°C)



Instructions for safe operation

WARNING

Don't use impact driver, always set driver clutch lowest functional setting to lifting dolly.



WARNING

Stop the drill when platform reaches max/min heights, to prevent damage.

WARNING

Hold the dolly handle during lifting to stabilize it.

WARNING

Do not leave lift with raised aPower unattended.

WARNING

Safety Strap Operation: Before lifting or moving the aPower, always secure the aPower to the lifting dolly using the provided safety strap to prevent the aPower from tipping or falling.



WARNING

Handling: Ensure that the platform is lowered to the bottom of the lift during aPower transportation.



WARNING

Lifting: Do not place your hands or feet under the platform to prevent injury.





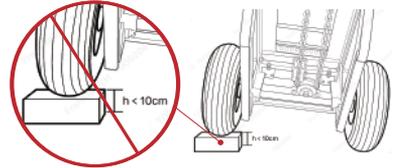
WARNING

Lifting Operation: Ensure that the lifting dolly remains upright on hard, level ground; soft ground or slopes may pose a risk of tipping.



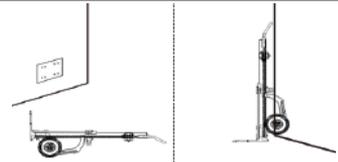
WARNING

Do not operate the lifting dolly on surfaces where the height difference between the two wheels exceeds 4" (10 cm), as there is a risk of tipping.



WARNING

Out of Operation: Stand against a wall or lay flat.



WARNING

Before operating the lifting dolly lift aPower, set the drill to the lowest gear.



WARNING

Before use, inspect the lifting dolly. Do not use if any part is damaged or if there is a malfunction.



WARNING

Always wear appropriate PPE, including safety shoes.



WARNING

Raising an aPower for installation requires two people for safety.



WARNING

Overloading can cause damage or failure.



WARNING

Do not use dolly for descending stairs or into basements with multiple levels. For this scenario, a professional climbing machine is recommended.



WARNING

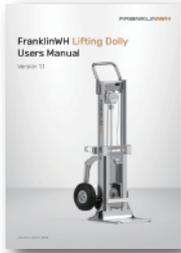
Do not leave outdoors, store indoors.

**WARNING**

Stop using the dolly when any of the following conditions occur: damage to the fall arrester wire rope, deformation of the chain, jamming or rattling of the hoist, deformation of the dolly's vertical beams, or any other malfunctions or deformations.

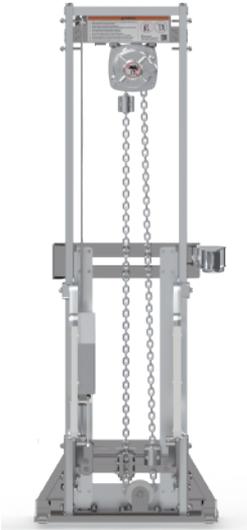
Parts & Assembly

Accessories

List	Pcs	Picture
Users Manual	1	
Allen wrench	1	
Tire Pump	1	
M8 x 45 hex socket set screws	12 (2 spares)	

Product Parts

The main components of the forklift include the handle, tire-bow-beam assembly, and the main frame, as shown, which need to be assembled using the supplied bolts.

List	Unit	Picture
Handle	1	
Tire-bow-beam assembly	1	
Main Frame	1	

Assembly

Component assembly process:

Step 1

Place the handrail in the top of the frame (Figure 1) and fasten the handrail to the frame with four of the provided hex screws in the position indicated in Figure 2.



Figure 1

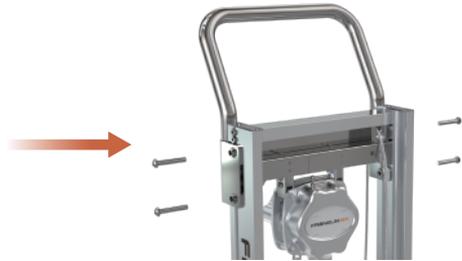


Figure 2

Step 2

Secure the tire-bow-beam assembly to the underside of the main frame with provided hex screws at the locations shown by the arrows in Figures 3, 4, and 5.



Figure 3



Figure 4

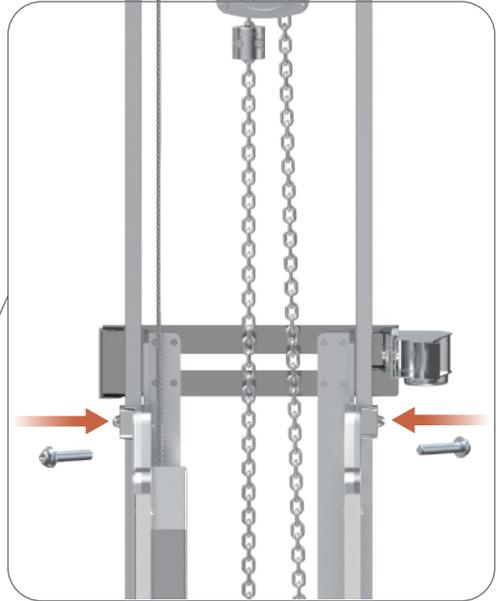


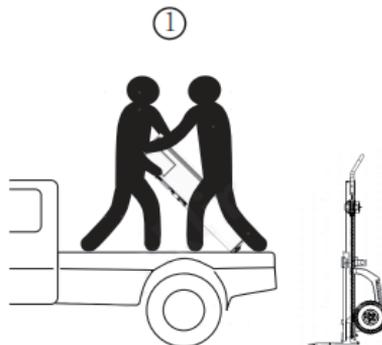
Figure 5

Operations with aPower

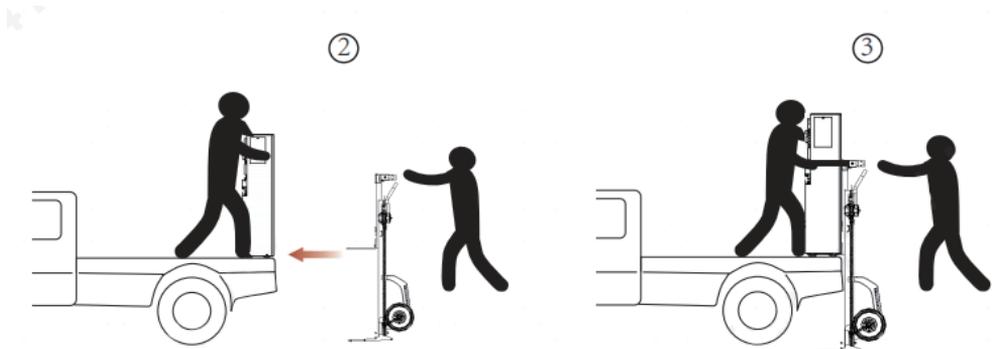
Using the lift dolly with an aPower, includes three main scenarios: loading, moving, and mounting.

Loading an aPower

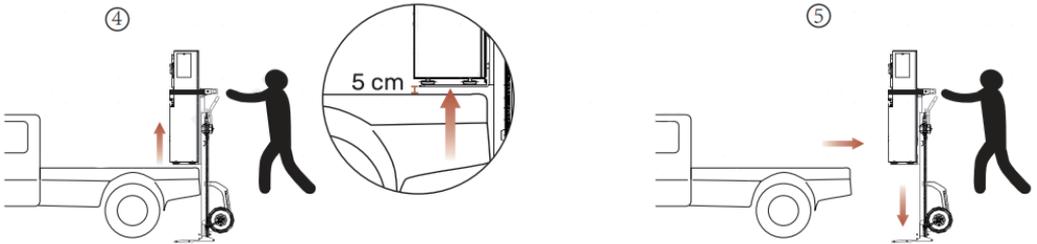
- a) Carefully check the lifting dolly to ensure screws are tight and all mechanisms are in working order. Unbox the aPower and, with two people working in tandem, place the aPower vertically of the transport (with the logo facing up).



- b) One person raises the platform of the dolly to the bottom position of the aPower and inserts it, and one person uses straps to tighten the aPower (if the dolly is not raised high enough, pallet can be used at the bottom of lift to pad the height).

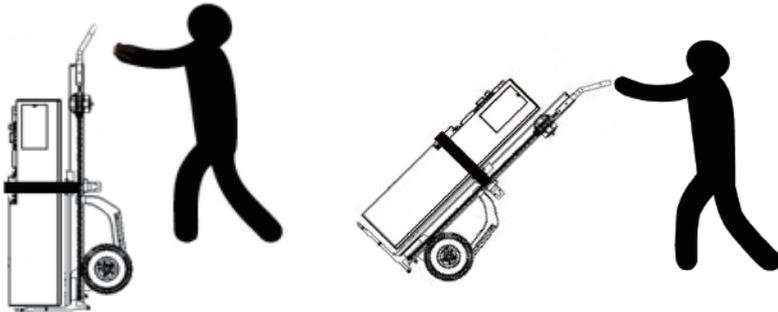


- c) Use the lift to raise aPower by about 2 in. (5cm). One person pulls the dolly backward until the aPower is completely detached from the transportation; then lower the aPower to the bottom to move the aPower to the bottom to move the aPower.



Moving an aPower

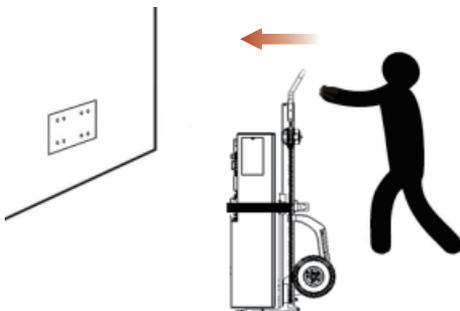
Press down on the handle and drag the cart to carry the aPower to the installation site.



Mounting an aPower

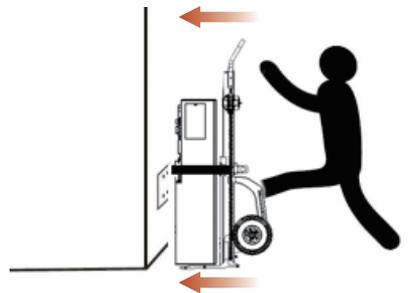
01

Move the aPower close to the installation location.



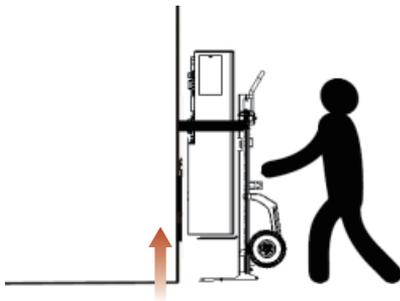
02

Adjust the position of the dolly so that the aPower is aligned with the mounting bracket.



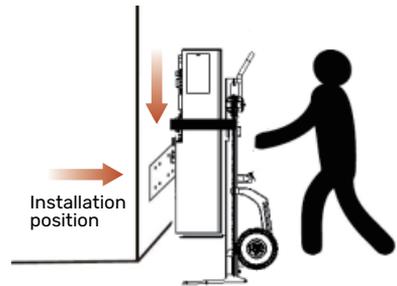
03

Keeping the dolly and aPower upright, use an electrical drill to turn the lifting mechanism to raise the aPower until the top mounting cleat on the back of the aPower is slightly above the top of the mounting bracket (should not be more than 19.7 inches in height).



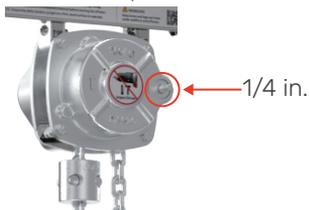
04

Adjust the lift height until the mounting bracket is aligned. When the aPower is aligned with the mounting bracket, slowly lower the platform. After confirming that the alignment is correct, lower the aPower onto the mounting bracket. Finally, release the harness (see steps below for releasing the harness) and remove the dolly.



Notes:

① Use a 1/4" drive or a 1/4" hex bit to operate drive the sprocket.



② Don't use impact driver, always set driver clutch lowest functional setting to lifting dolly.



③ The recommended speed is 500-1000 r/min and the recommended torque is 3 ft-lbs (4 NM).

Safety Straps

01

Make sure the handle is in the unlocked  position and press the red RELEASE button to stretch the webbing to the desired length.



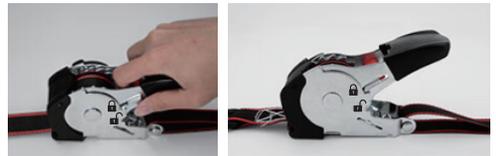
02

Release the RELEASE button to lock the webbing in place. If the stretched length is too long, press and hold the RELEASE button to automatically recycle the webbing length.



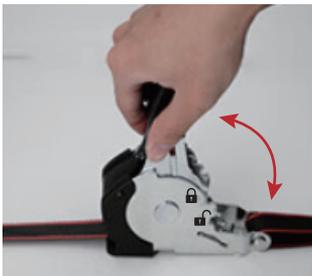
03

Press the RELEASE button and lift up to pull the handle to the locked position. .



04

Lift and lower repeatedly to tighten the straps.



05

Press the RELEASE button after the webbing has been tightened around the aPower and push the handle to the unlocked position .





Notes:

1. When releasing the straps, make sure that the aPower is no longer dependent on the straps so that it does not fall and injure personnel. If necessary, use a sling to lift the item before releasing the tie-down straps to avoid accidents.
2. When unloading the aPower, make sure that the tie-down straps have been loosened.
3. Avoid chemical corrosion when using the straps. Note that the effect of chemical corrosion increases as the temperature increases. When storing, keep away from children, high temperatures, and corrosive chemicals.
4. Stop using the strapping in the following cases:
 - a. Unable to recognize the label.
 - b. Accidental contact with chemicals.
 - c. Tears, cuts, slits, breaks, deformation at high temperature in webbing and stitching.
 - d. Deformation, cracks, visible wear, corrosion, rust on connecting parts (hooks, loops) and tightening devices (ratchets, buckles).
5. Pay attention to the straps not to be damaged by the sharp edges and corners of the items. Check visually before and after each use.
6. Use only straps with clear and distinctive markings. When using straps, keep the webbing flat and free from twists and knots.
7. Do not apply more than the specified force to the handle. The maximum force applied to the handle should not exceed 500 N (50 kg). Do not use other tools such as rods, bars, etc. to apply force if they are not part of the strap.
8. Protect the labels and keep them away from sharp edges and corners of the fastened objects, preferably without touching the objects.

Maintenance

1. Regularly check tires and inflate as necessary. The recommended tire pressure value: 36-43 PSI.
2. It is recommended that sprockets and lift guides be regularly greased, at least once a month.
3. If tire replacement is needed, use spacers.

Solid Tire Axle Diameter: 5/8 in. (16mm) with ball bearings, Steel hub diameter: 10 in. (254mm).

Gasket Type: ID=5/8 in. 16mm, OD=1-1/8 in. 28mm, thickness=0.1 in. (2.5mm).

4. Check the screws and other fasteners regularly to avoid accidents.
5. If you need to replace parts, contact service to purchase replacement:

United States: +1 888-851-3188

Australia: +61 1800 161 300

Instructions for Spare Parts Replacement

Strap Replacement:

Use M10 Allen wrench to remove the screw at the position shown in the illustration, replace the strap, and then tighten with the wrench. Torque requirement: 13 ± 1.5 ft-lbf (18 ± 2 NM).



Tire Replacement:

Replace the tires by removing the screw at the location shown in the illustration using an M8 Allen wrench, torque requirement: 9 ± 0.75 ft-lbf (12 ± 1 NM).



FranklinWH Lifting Dolly Users Manual

FRANKLINWH



www.franklinwh.com

United States:

✉ info@franklinwh.com ☎ +1 888-851-3188
📍 1731 Technology Dr., Suite 530, San Jose, CA 95110

Australian:

✉ info-au@franklinwh.com ☎ +61 1800 161 300
📍 Level 9, 123 Epping Road, Macquarie Park, NSW 2113