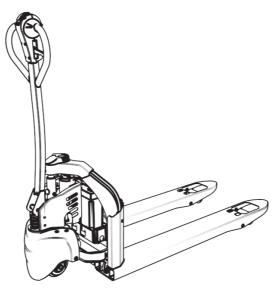
E P T 1 2 - E Z

Pallet truck

Product specification-



Foreword

Please read this manual before use. This manual consists of four parts: User Instructions, Mode of Operation, Battery Use and Maintenance & Care.



- 1. Vehicles can only be operated by trained professionals and the use by non-staff members is prohibited.
- 2. When hoisting vehicles, lifting tools can only be fixed on the specified nodes to prevent slipping.
- 3. Modification of the vehicle is prohibited without permission.

The following symbols will appear in this manual, representing safety instructions and important explanatory notes, respectively.



WARNING: Indicates safety instructions that must be followed as this may result in personal injury or death.



CAUTION: Indicates instructions that must be followed, otherwise material (goods or products) may be damaged.

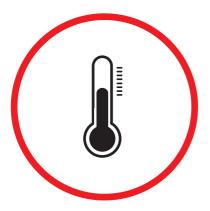
- DESCRIPTION: Indicates relevant description.
- Represent standard components.
- Represents optional components.

Index

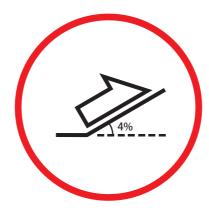
User Instruction	Applicable Environment Precautions for Use Product Technical Data Product Description Control Lever Description Screen Display Control Handle Installation	/ / /	1 2 5 6 7 8 9	O3 Battery	Lithium Battery Precautions Battery & Charger Battery Charging Charging Completed Charger Installation	/ / / /	17 19 20 21 22
Mode of Operation	Nameplate Identification Driving Instructiongs		10 11	04			
	Fork Lifting and Lowering		12		Maintenance & Care Cover Replacement &	/	23
	Manual lowering Steel wire regulation	/	13		Chain Adjustment	/	24
	Horn & Braking	/	14	Maintenance & Care	Drive wheel Replacement	/	25
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Applicable Environment



·Due to the particularity of the lithium battery, please use this product at -10 $^{\circ}$ C $^{\sim}$ 45 $^{\circ}$ C



•The big wheel version of this vehicle can climb gentle slope below 4% at full load, 10% at no load. Small wheel version can climb gentle slope below 2% at full load, 8% at no load.

To protect the motor, long time climbing is not recommended.



·Only operate in dry conditions.



Precautions for Use



·Please operate the truck properly and carefully to avoid foot injury crushed by drive wheel.



·Please do not use this product to carry people.



·Please do not use this product on a slippery surface, such as grease, ice or snow.



Precautions for Use



·Do not travel on steep slopes to prevent cargo from slipping.



·The product must be switch OFF when unattended.



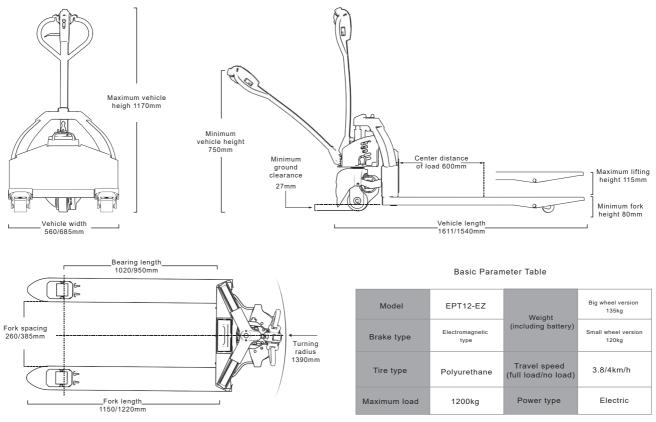
·When using this product, please observe the surroundings and do not get distracted.



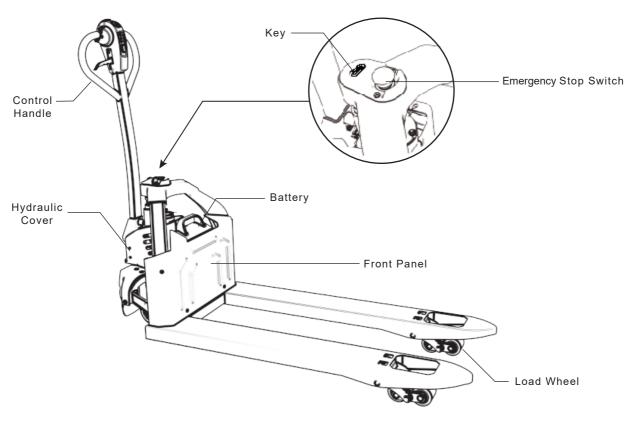


 $\cdot \text{Please}$ pay attention to moving parts and stay clear of pinch points.

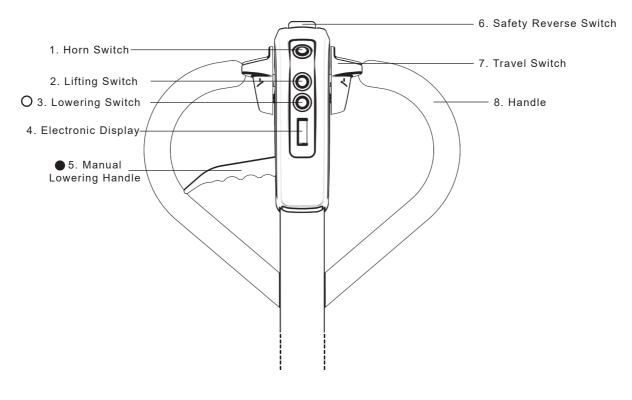
Product Technical Data



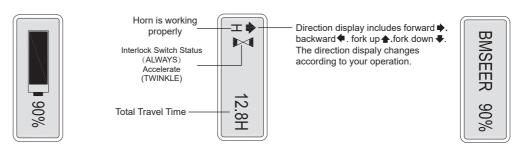
Product Description



Control Lever Description



Screen Display



·Remaining battery level is displayed

·Normal use status display

·Battery temperature is too high



·Battery has other faults

NOBMS 5%

·Battery CAN communication not connected

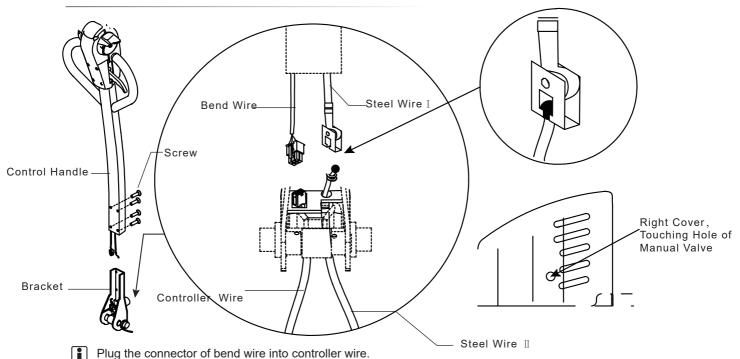
NO CAN CTR

·Controller CAN communication not connected

♣ ∑ F X.X 90%

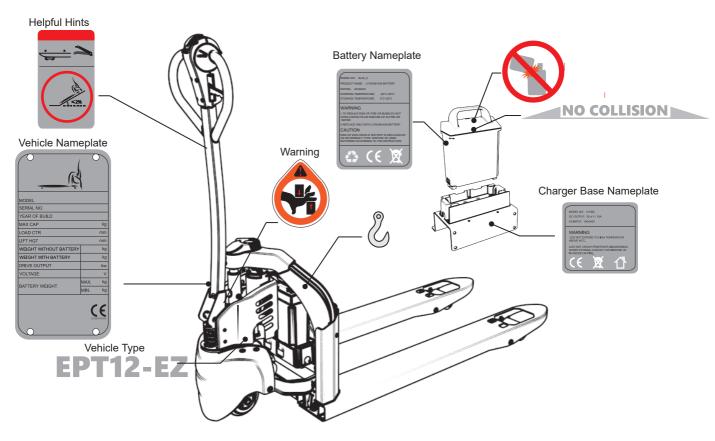
·F.x.x: Fault code (X is a number)

Control Handle Installation



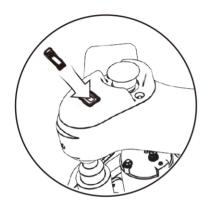
First, Make screwdriver touching and pinning manual valve from touching Hole of Manual Valve of Right Cover. The steel wire II rising up , Buckle end of the steel wire II into end of the steel wire I from manual. Release the steel wire II and tighten the adjust screw.

Nameplate Identification



. .

Driving Instructions



1. Place the magnetic key in the key hole to turn on the power.

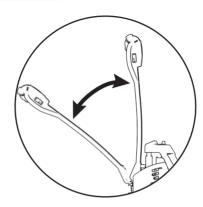


Make sure to move forward and backward according to the diagram on the right.



Please check the vehicle daily before use.

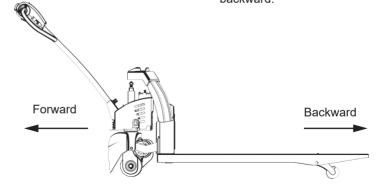
- Travel switch can adjust the travel speed of vehicle.
- Release the travel switch to brake the vehicle.



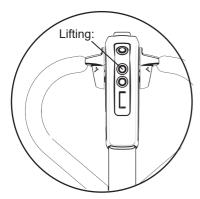
2. Tilt the operating lever to the driving position.



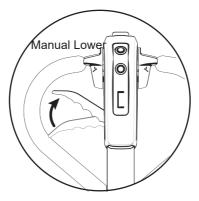
3. Turn the travel switch to move the vehicle forward or backward.



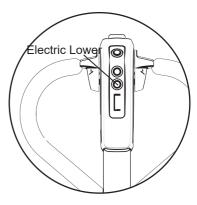
Fork Lifting & Lowering



Lifting: Press the integrated lift button on the control lever and hold. The fork will be lifted to its maximum height and stop on its own.



Manual lowering: Pull the manual fork lowering switch and hold. The fork will be lowered to its minimum height and stop on its own.



O Power lowering: Press the integrated down button on the control lever and hold. The fork will be lowered to its minimum height and stop on its own.

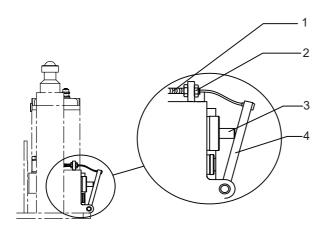


Before picking up the goods, make sure that the goods are properly palletized and that the weight does not exceed the rated load.



Make sure that the forks is completely under the goods before you travel the truck.

Manual lowering Steel wire regulation



1. Forks can not lift

Cause: Lowering plate(4) touches the manual valve(3), which makes the hydraulic system relief.

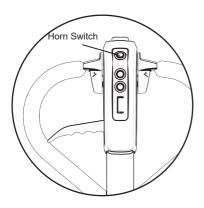
Solution: Adjust the connector towards the lowering plate(4) direction, and adjust the nut(2) to make the lowering plate(4) just touch the manual valve(3), and then fasten the nut(2).

2. Forks can not lower

Cause: Distance between Lowering plate(4) and the manual valve(3) is too big, which makes them not touching and can't open the hydraulic system relief.

Solution: Adjust the connector backwards the lowering plate(4) direction, and adjust the nut(2) to make the lowering plate(4) just touch the manual valve(3), and then fasten the nut(2).

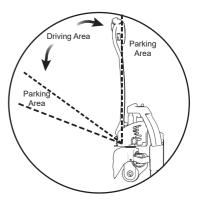
Horn & Braking



·Press the horn switch to give an audible warning sound.

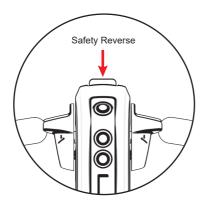


·Tum the travel switch against the direction of travel to smoothly brake and stop the truck.

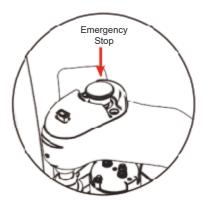


·When the handle lever is release to the vertical position or press down to the 70°, the parking brake is applied.

▲ Safety Reverse & Emergency Stop



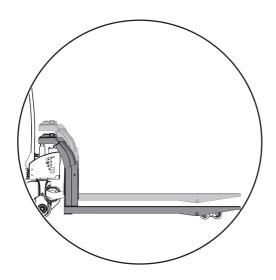
By pressing this switch, the vehicle starts to travel in the opposite direction

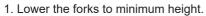


By pressing this button, the vehicle will be cut off from all the power and stop working.

- If safety reverse switch bounces back slowly, it indicates a fault. The cause must be located and removed. The spring can be replaced if necessary.
- Safety reverse button can be pressed in a variety of ways, such as with belly.
- By pressing the emergency stop switch, the button is locked. Turn it half circle clockwise to release. It will bounce up by itself. Do not forcefully pull up.
- Braking distance will be significantly affected by the road condition and should be considered by the operator.

Safe Parking







2.Remove the key.



Do not park the vehicle on a slope.



igapha The forks must be lowered completely.



To rolling time parking, please remove the battery and refer to the Maintenance & Care section.

▲ Lithium Battery Precautions



·Please prevent the battery from water or infiltration of any corrosive liquid.



·Do not let the battery close to any open flame, heat, flammable and explosive objects..



·Do not place the battery vertically on a conductive object to prevent the electrode from being touched by protruding objects.



Once the above situation occurs, it may cause the battery to generate leakage, heat, smoke, and may cause serious fire or explosion.



⚠ Lithium Battery Precautions

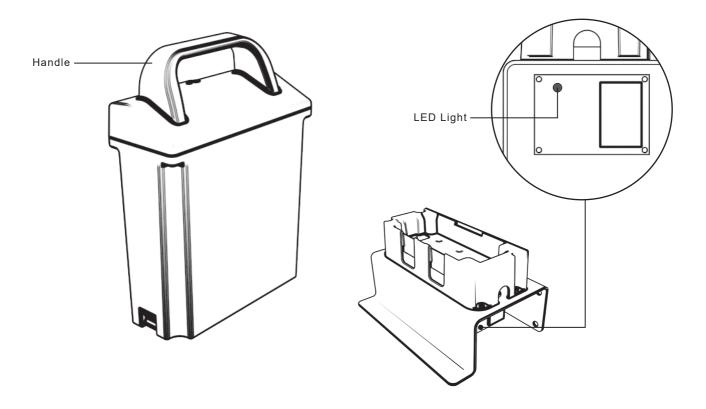


·Charge the battery at an ambient temperature of 0 to 40°C.

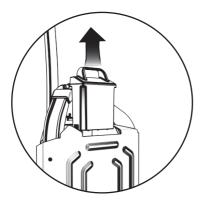


In case of battery fault, please contact the dealer to make appointment for repair. Never attempt to disassemble the battery.

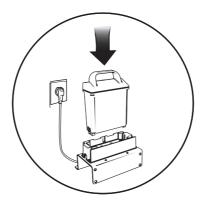
Battery & Charger



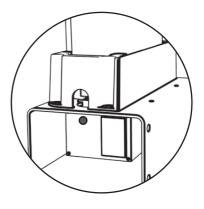
Battery Charging



1.Lift the battery out of the vehicle.



2.Insert the battery into the charging base



3.The LED light lights up.

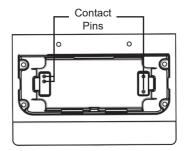
LED MODE

Charging mode: LED Red on Charger fault: LED Yellow flash Full charged: LED Green on Battery fault: LED Yellow on

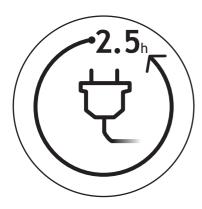
Before removing the battery, make sure that the vehicle is completely powered down.

The figure on the right shows the top view of charging base contact pins. Please plug the battery accordingly. Do not plug reversely.

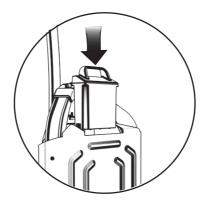
If your battery is not fully charged after more than 5 hours, contact your dealer.



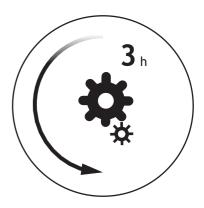
Charge Completed



·The battery is fully charged after 2.5 hours of charging at 100 ~ 240V AC.



·Insert the battery into the battery compartment of the vehicle.



·The battery can be operated continuously for 3 hours in a fully charged state.



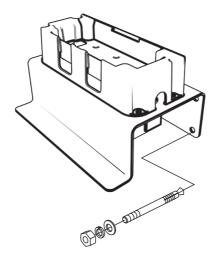
Before plugging the battery back, please make sure that the vehicle is still in the power-off state.



Please identify the positive and negative electrodes according to the pins as shown on the previous page. Do not plug reversely.

Due to the particularity of lithium batteries, the battery capacity will have a certain attenuation when used in a low-temperature environment.

Charger Installation



 $\begin{tabular}{c} \begin{tabular}{c} \begin{tabu$

Maintenance & Care



Please replace the wheels with the tires specified by our manufacturer. Non-conforming tires can affect the performance and stability of the product.



Do not clean the truck with flammable liquids.



After the first 100 hours of operation, the truck must be fully inspected and maintained. Thereafter conduct maintenance once every 250 hours.

If the vehicle is to be parked for longer than a month, it must be placed in dry and frost-free environment.

When not in use, remove the battery.

If the parking time is within one month, fully charge the battery first, if over one month, battery needs to be charged once a month.

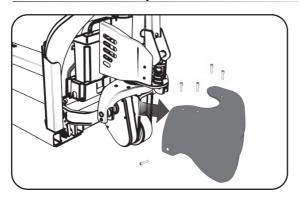
Before maintenance, make sure that the power supply has been completely disconnected.

Please shorten the maintenance interval if the working environment is dusty, working in fluctuant temperature place or heavy duty jobs.

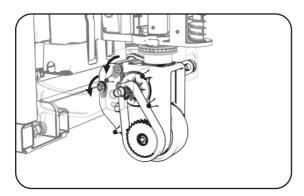
Regularly add lubricant to the chain.

If the battery has bad smell overheating or deformation during charging, stop the charging immediately and disconnect the charger power supply. Contact to your dealer.

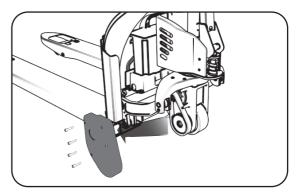
Cover Replacement & Chain Adjustment



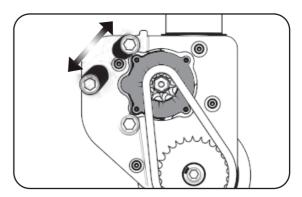
1.Remove the drive cover.



3.Loosen the two screws.

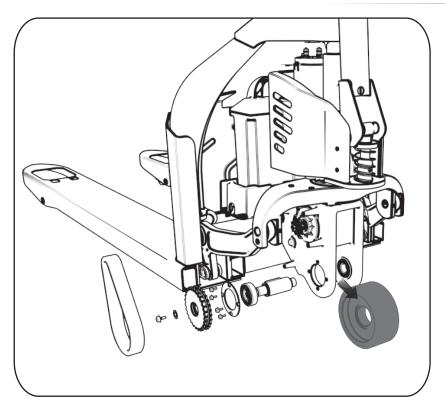


2.Remove the chain protection cover



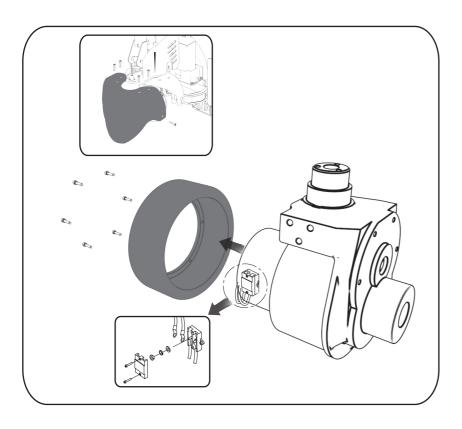
4.At this point you can adjust the chain tension.

Drive Wheel Replacement



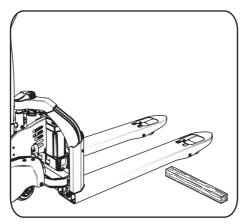
- 1.Remove the chain (see the cover & chain replacement).
- 2.Unscrew the screw with a wrench and remove the large sprocket.
- 3.Unscrew the four screws with a wrench and remove the guard.
- 4.Remove the bearing , axle and drive wheel in sequence from the bracket.
- 5.Install by following the removal sequence in reverse.

Drive Wheel Replacement

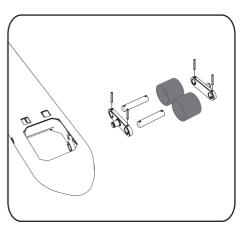


- 1.Remove the drive cover.
- 2.Dismantle the motor cable mounting base ,and remove the motor cables.
- 3.Loosen the six screws with a wrench, and knock out the drive wheel from the drive assembly.
- 4.Install by following the removal sequence in reverse.

Load Wheel Replacement



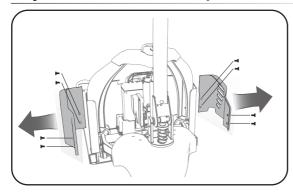
1.Place a wooden wedge under the chassis near load wheel to make the load wheel off the ground.



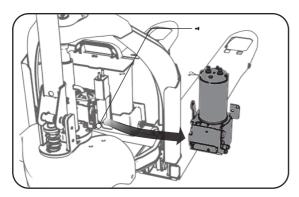
3.Remove the coiled elastic cylindrical pin within the wheel bracket with an ejector pin; Knock out the wheel pin shaft from side and remove load wheel and bearing assembly.

2.Remove the coiled elastic cylindrical pin within the wheel bridge with an ejector pin; Turn the wheel bridge to vertical direction, knock out the wheel pin shaft from side and remove the load wheel and bearing assembly.

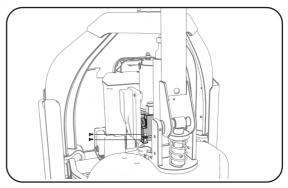
Hydraulic Oil Replacement



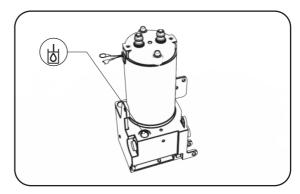
1.Remove the two side panels.



3.Remove the hex screw on the right. The pump housing and motor can then be removed.



2.Remove the two hex screws on the left side.



4.Remove the plug and drain the old hydraulic oil from this hole.Refill with new oil.

Maintenance Checklist

Frame Structure	Check if all supporting parts are in good condition			
	Check the bolts and screws connection are tight			
Drive System	Check the gearbox for abnormal noise or leaks			
	Check for wear and damage			
Wheel	Check support and fixation			
	Check wheel bolts for fixation.Retighten if necessary			
	Check the steering bearing clearance			
Steering and Braking	Check functions and settings			
	Check the spring compression and for damage			
Lifting Device	Check functions and wear			
	Check the load frame and moving parts for wear and damage			

To ensure long-term safe operation, the checks in the above list shall be carried out every six months.

Maintenance Checklist

	Check functions		
Hydraulic System	Check the sealing of hydraulic components and check for damage		
	Check the oil level		
	Check functions		
Electrical System	Check the cables for damage and if the terminals are secure		
,	Check if the safety devices parameter values are correct		
	Check if alarms and safety switches are functioning properly		
Motor	Check the motor fixation		
Lithium Potton	Check if the terminals are fixed, and apply electrode bolt special grease		
Lithium Battery	Check the battery cables for damage and replace if necessary		

riangle To ensure long-term safe operation, the checks in the above list shall be carried out every six months.

—— 30 ——

