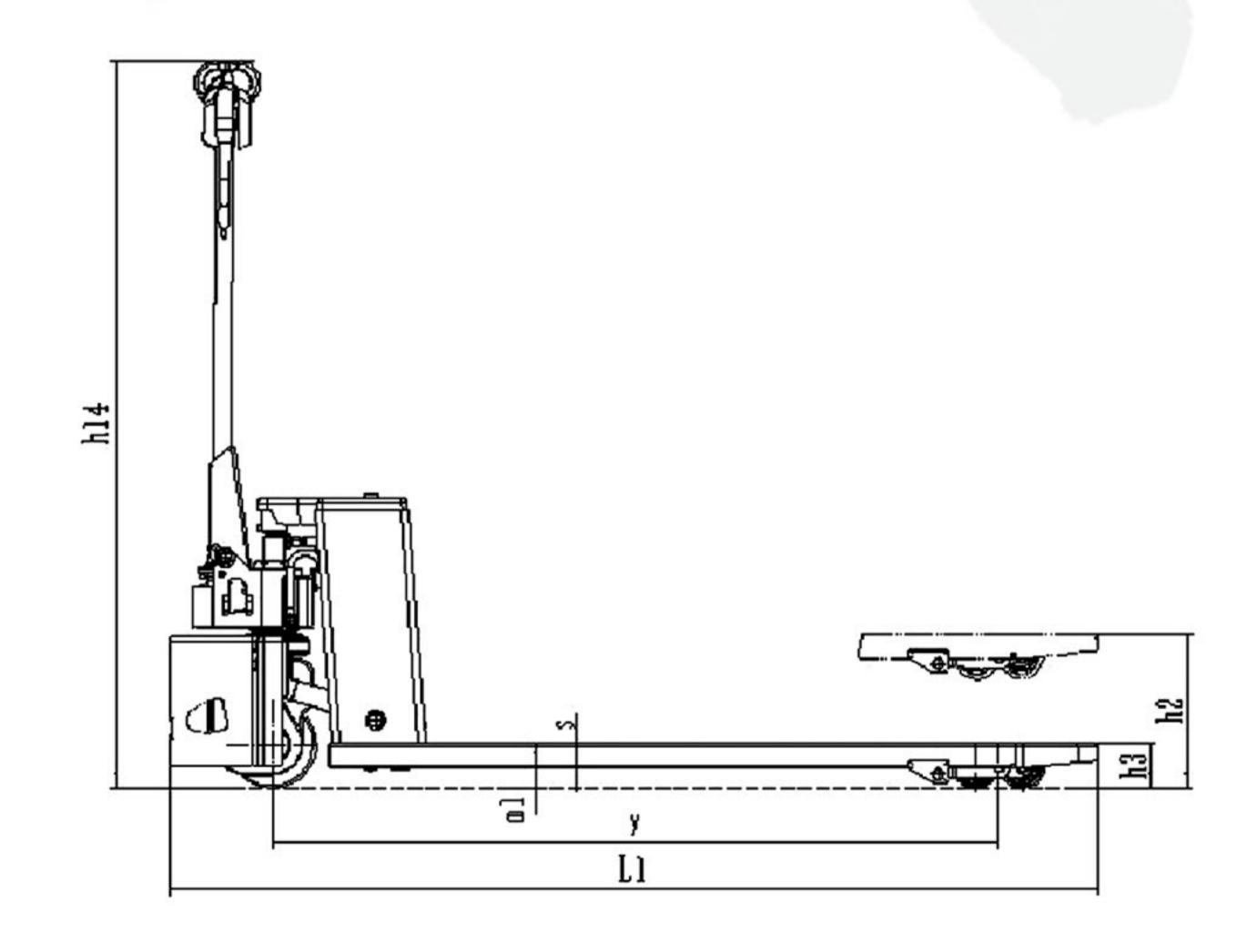
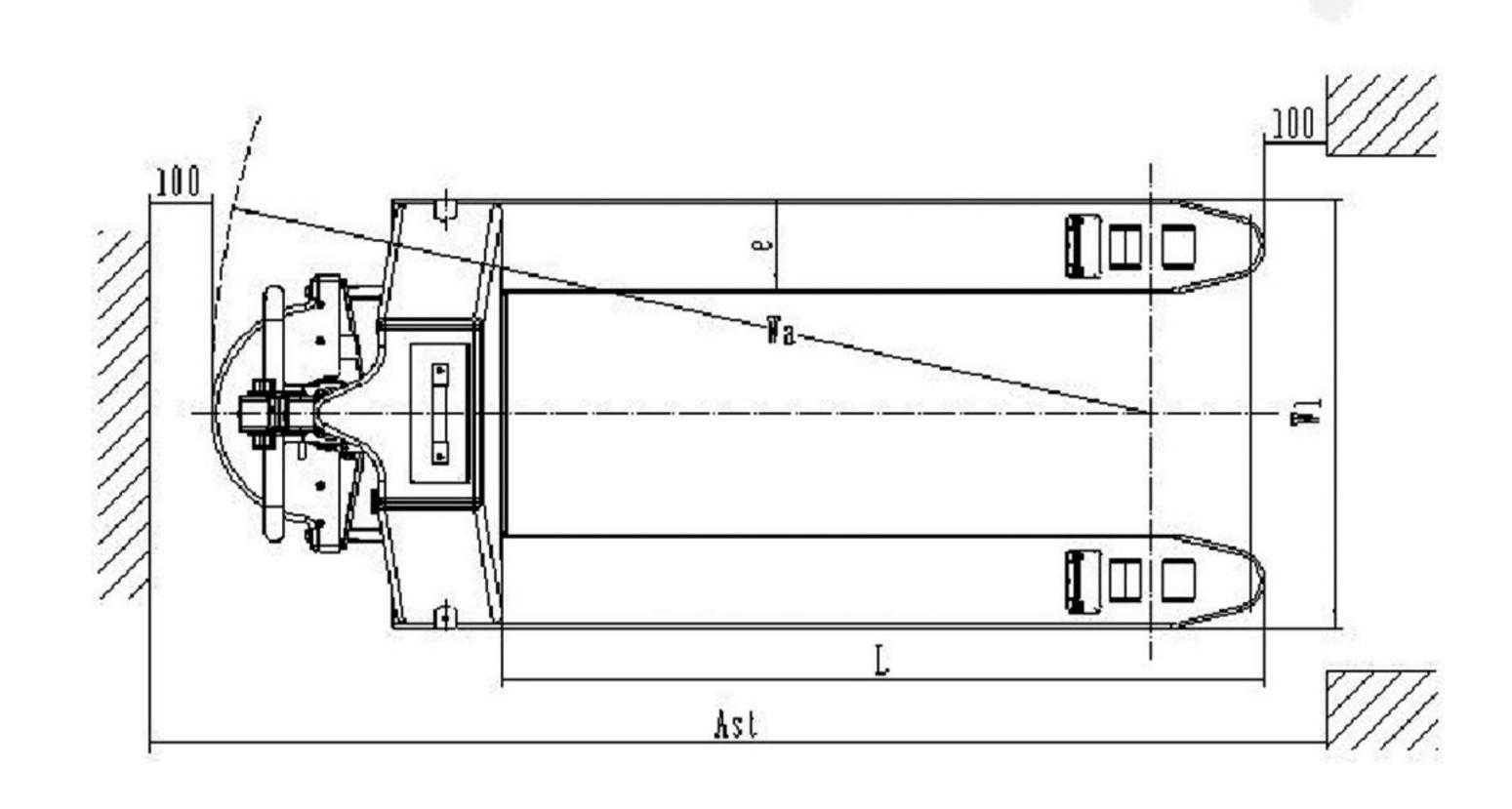
Manufacturer Brand			SINOLIFT	SINOLIFT
Model			CBD20Li-712	CBD20Li-511
Power Type			Electric	Electric
Type of Operation			Walkie	Walkie
Steering Mode			Mechanical	Mechanical
Load Capacity / Rated Load	Q	kg	2000	2000
Load Center Distance	С	mm	600	600
Wheel Base	У	mm	1318	1248
Total Weight (Include Battery)		kg	135	130
Overall Length	L1	mm	1686	1616
Overall Width	W1	mm	685	550
Fork Dimension	l/e/s	mm	1220×150×45	1150×150×45
Width of Fork	b2	mm	685	550
Min. Fork Height	h3	mm	80	80
Lift Height	h2	mm	195	195
Ground Clearance at Center of Wheelbase	m1	mm	35	35
Height of Operating Handlebar (Max.)	h14	mm	1245	1245
Turning Radius	Wa	mm	1575	1520
Aisle Width for Lengthways (Pallet Size1000*1200)	Ast	mm	2375	2312
Aisle Width for Lengthways (Pallet Size 800*1200)	Ast	mm	2205	2181
Tyre Type			Polyurethane	Polyurethane
Tyre Size (Front)		mm	φ78×70	φ78×70
Tyre Size (Driving Wheel)		mm	φ160×50	φ160×50
Wheels Quantity, Front/Rear(x=Driving Wheel)			2/1x	2/1x
Drive Damping Method			1	1
Traveling Speed (laden/unladen)	nF	Km/h	4.3/4.8	4.3/4.8
Lifting Speed (laden/unladen)		mm/s	20/25	20/25
Lowering Speed (laden/unladen)			>1s	>1s
Max.Gradient Performance (laden/unladen)		%	5/10	5/10
Service Brake Type			Electromagnetic	Electromagnetic
Parking Brake Type			Electromagnetic	Electromagnetic
Drive Motor (DC)		Kw	0.8	0.8
Lifting Motor (DC)		Kw	0.8	0.8
Battery Voltage/Capacity K5		V/Ah	48/16	48/16
Battery Weight		kg	6.6	6.6

1. The parameters in the table are of the standard model. For more infomation, please contact us.





## STANDARD SPECIFICATION:

- 0.8 Kw DC motor (maintenance free)
- High-performance lithium battery
- External charger
- Upright walking
- Butterfly drive switches
- Separated lift/lower buttons
- CAN bus architecture
- LCD display
- Gas spring assisted tiller arm
- Driving with upright tiller arm
- Turtle speed mode

- Auto lock on slopes
- Dia. 160mm polyurethane drive wheel Bogie fork wheels
- Climber wheels at fork nose
- Castor wheels with integrated foot protection
- Easy accessible emergency switch
- Tiller arm safety button
- Horn switch
- Closed cover design
- Foot protection cover

# **OPTIONS:**

- Load backrest
- Single load wheel
- Extra Li-ION battery
- Over size fork
- With scale (printer)
- Key pad access handle



5 SINOLIFI



For material handling



- Powered by 48V supply.
- 0.8Kw drive motor and 0.8Kw lift motor.
- Fast recharge Lithium-lon 16Ah battery.
- External charger.
- Swap-out battery for continuous use.
- Proven and familiar looking HPT- chassis .
- Overall light weight and easy to maneuver.
- LCD display as standard for easy operation.



# SHANGHAI SINOLIFT MECHANICAL AND ELECTRICAL EQUIPMENT CO., LTD.

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CBD20Li

**ISO9001** 

LITHIUM BATTERY OPERATED PALLET TRUCK

Easy Lift, Easy Life!

Spercial size of width and length can be made according to customer's requirement, All specifications and figures are subject to change withou notice for improvement.





# Advantages of Lithium-ion technology in the CBD20Li

### High performance in a compact design

The high energy density of the installed lithium-ion battery provides great travel performance and long operating periods of up to 3.2 hours. At the same time, the CBD20Li is very compact and has a low service weight, which means it consumes up to 30% less energy than vehicles with lead-acid batteries.

#### Fast charging + Top-up charging

Up to 5% of battery capacity can be recharged in just 10 minutes. Top-up charging can be used between full charges without affecting the service life of the battery. The battery can be recharged with any 230-V socket. A completely discharged battery (20%) is fully charged in about 3.5 hours.

### Double service life + Maintenance-free battery

The lithium-ion battery has approximately twice the service life of a conventional lead-acid battery. In addition, no maintenance work is required, such as checking the water level around the Lithium-ion battery. No costs are incurred for adapting the existing charging infrastructure (e.g. ventilation).

### Safety

- The pallet jack includes release braking, reverse braking, and emergency braking to ensure safe driving.
- The pallet jack also features an anti-rollback function to ensure safe operation.
- The emergency reverse button on the handle can effectively prevent the driver from being injured if the pallet jack moves forward in an emergency situation.
- The electronic lifting limit and mechanical limit switches prevent an impact caused by lifting goods to the top of the lifting range.
- This protects both the motor and the goods from being damaged.

### Comfortable

- High degree of availability thanks to extremely short charging times.
- Reduced support wheel wear when approaching ramps at an angle thanks to level equalization.
- Easy access to all components due to the open design of driving and brake system.
- Tiller arm optimally adapted to the ergonomic needs of the operator.
- Clear color coding and buttons with wearresistant icons ensure intuitive operation.

### Serviceability

- The lithium battery can be charged quickly and replaced easily.
- The novelty-designed handle has key switches that can be replaced separately.
- The power display allows users to see when the battery needs to be charged.
- The maintenance hatch hood opens very easily to expose all components and facilitate easy maintenance of the pallet jack.
- All of the spindles are equipped with self-lubricated sleeves and oil cups to promote a long service life.

### Lithium Ion Powered Pallet Truck

Introducing the CBD20Li Lithium-ion powered pallet truck by SINOLIFT. Designed from the ground up for advanced Li-ion battery technology, the CBD20Li features the smallest powerhead in the industry, small and compact size, making it an excellent choice for lift-gate delivery fleets, C store deliveries, and heavy-duty warehouse and manufacturing applications. With a swappable lithium battery, 48V power and a compact design the revolutionary SINOLIFT CBD20Li offers a better way to get the job done.

## **Duty Cycle**

Revolutionary easy exchange HD battery delivers up to 3.0 Hours of operation and can be full charged within 1.5 hours.

Optional extra batteries can be purchased to extend run time or to serve as a reliable black-up.





Charging Time 1.5HR

Fast and short boost charge, only 1.5 hours charging is sufficient to achieve full charge.



**Working Time** 3HR

Powerful and robust energy. 48V/16Ah battery voltage. A fully charged battery can work continuously for 3 hours.



**12HR** Prepare just two pieces of lithium batteries. One charging, one working,

12 hours without break.



The CBD20li is the perfect entry model for light electric pallet truck applications. Capacity of the truck is 2000 kg and it is equipped with li-ion technology for energy efficiency. It combines the features of a powered pallet truck with the flexibility of a hand pallet truck.

## Why Lithium-Ion Battery?

- Average 3 hours operation
- Fully charged in 1.5 2.5 hours on average
- Boost charging supported, chargeable anytime

Constant battery capacity not affected by frequent charging

- **Productive**
- Higher power than lead batteries
- Excellent acceleration

#### Convenient

- Smart Li-ion Battery ;
- Easily exchangeable Li-ion battery
- 48V16Ah 6.60kg

#### **High Quality**

All-time monitoring on battery conditions; diagnosis to prevent overheating, overcharge, overdischarge, etc.

# Environment

- No sulphur dioxide produced during charging and operation.
- Contains no hazardous substances such as heavy metal.







### Safety Reverse

(Push to move in an opposite direction)



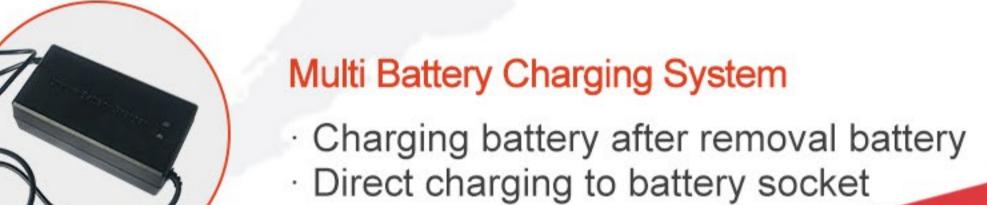


Override button allows control over the pallet truck, even when the tiller arm is in the vertical position



Automatic braking when the handle is either perpendicularly pulled or fully lowered











#### Reinforced Forks

Laser cutting, high strength, easier entrance/exit design for pallet, also for double pallet.

# Metal Shell

Metal cover for driving wheels is designed to protect from and injury to your feet when you walk behind.



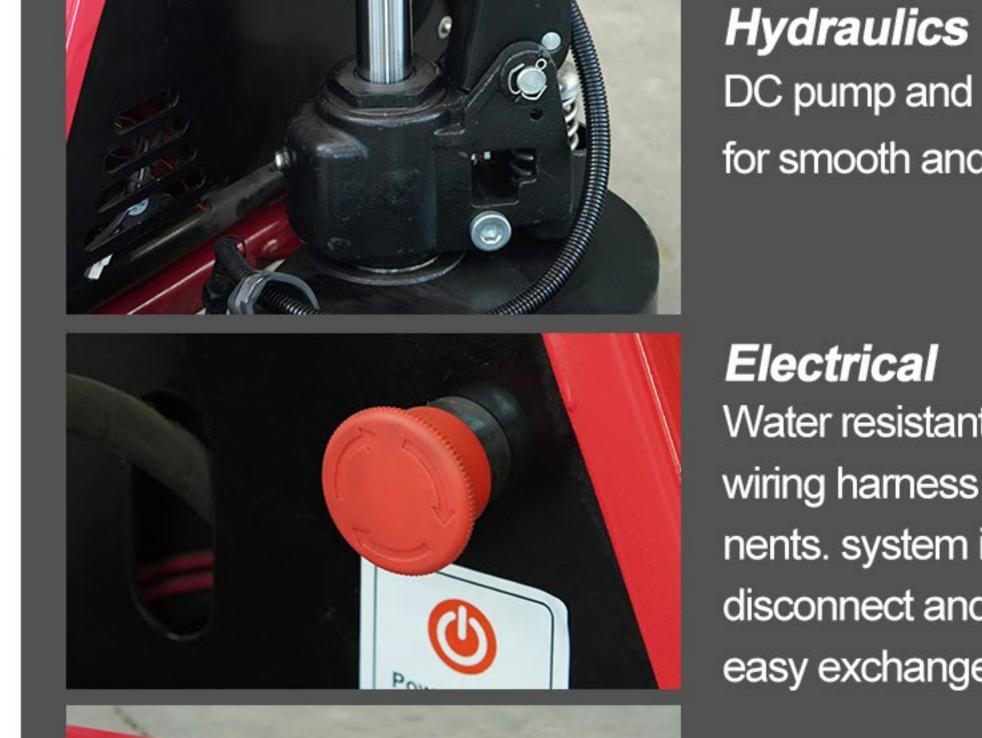
stopping power when handle is upright or lowered beyond the operating range.

Electromechanical brake provides good

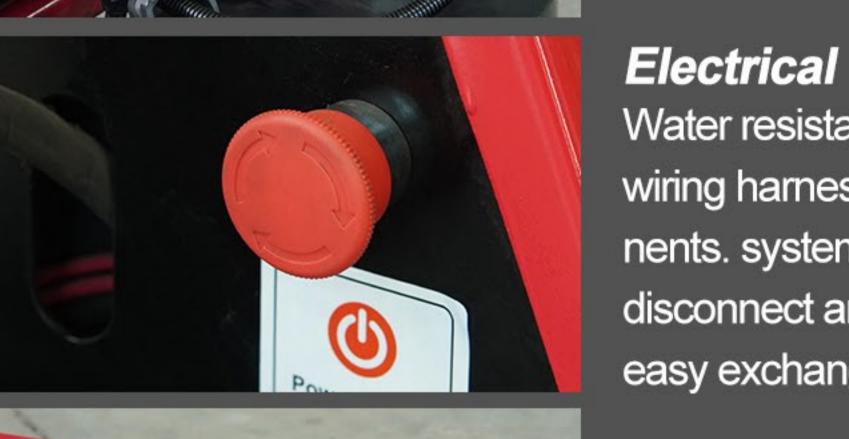
# Battery

Brakes

48V/16AH Lithium iron phosphate battery In portable battery pack, plug-type structure, stable,safe.



DC pump and chrome plated cylinder provide for smooth and efficient lifting.



Water resistant connectors and shrouded wiring harness supply power reliably to components. system includes an emergency power disconnect and covered on-board dock for the easy exchange HD battery.



High performance polyurethane load rollers, for queit running and better grip. Single load rollers are option.



800W big power motor, strong power, low energy consumption DC permanent magnet driving motor, strong power and long service