

TO MAKE THE TRANSPORT EASIER

PERFT®

50 TON CAP.

30 TON CAP.

DBW

TRACKLESS TRANSFER CAR

Absorption profession concentration

HENAN PERFECT HANDLING EQUIPMENT CO., LTD

www.chinatransfercar.com info@perfte.com

CE



SGS



HENAN PERFECT HANDLING EQUIPMENT CO., LTD

Performance Characteristics

1. The control is handle and remote control.
2. Trackless transfer cars can meet the needs of different turning radii.
3. The power supply mode of trackless transfer carts can be selected, and different power supply modes can be used according to different road conditions.
4. It can satisfy free left-right steering and 360-degree in-situ rotation.
5. Trackless transfer cars can meet the applicable occasions of small tonnage and small turning radius.
6. The trackless transfer cars can be equipped with an optional human encounter detection device, which can detect obstacles or people in the running direction in time and automatically control the cart to stop.
7. At the same time when the car is running, the audible and visual alarm device is started to warn the personnel and carts on the running route to pay attention. Install emergency brake button (red mushroom head button with self-locking) on the trolley.
8. Other functions: the company can customize and develop the functions required by customers.



Principle

The trackless transfer car consists of power supply system, transmission system, steel structure main frame, steering system, traveling mechanism, control system and fault diagnosis system. Usually, we choose batteries as the power supply for this series of cart. The power supply supplies power to the traction motor through the electrical control module system. To realize the start, stop, forward, backward, steering and other functions of the trackless transfer cart.



Parameters

| | | |
|----|-----------------------------------|--------------------------------------|
| 1 | Load capacity(t) | * |
| 2 | Maximum impact load(t) | * |
| 3 | Frame structure | Steel plate welded structure |
| 4 | External dimensions(mm) | (Customized) |
| 5 | Height(mm) | (Customized) |
| 6 | Minimum turning radius(mm) | (360 free rotation) |
| 7 | Turning mode | Walk and turn without interruption. |
| 8 | Electric control mode for turning | Electric button control |
| 9 | Steering mechanism | Mechanic |
| 10 | Wheel material | ZG55+ Polyurethane |
| 11 | Walking speed(m/min) | (Customized) |
| 12 | Brake mode | Electromagnetic brake |
| 13 | Ground flatness adjustment | Mechanical automatic adjustment |
| 14 | Mode of operation | Wired handle+wireless remote control |
| 15 | Installation form of charger | Split type |
| 16 | Charger function | Fully automatic intelligent charging |
| 17 | Cart body color | Customized+Warning Signs |
| 18 | Safety inspection | Stop when meeting people (optional) |
| 19 | Warning device | Audible and visual alarm |

Product Features

Advantages

BWP series electric flat cart have the advantages of simple operation, large starting torque, smooth running, silent steering, etc. Besides, they also have the unique advantages brought by their structure, namely, they are not restricted by tracks, can freely steer left and right in flat fields, and are convenient to use.

Product Function

1. Heavy duty transportation: BWP series electric flat cart are specially designed for transportation, so their primary function is transportation;
2. Turning: BWP series electric flat cart is equipped with steering wheel and steering control, so steering control is one of its main functions ;
3. Lifting: BWP series electric flat cart can be equipped with hydraulic and mechanical lifting devices according to customer's requirements to achieve lifting function on the original basis.
4. Rollover: BWP series electric flat cart can be equipped with hydraulic, mechanical and other rollover devices according to customer's needs to achieve the rollover function on the original basis ;
5. Table rolling: BWP series electric flat cart can be equipped with rollers, rollers and other devices according to customer's needs to achieve the function of turning over cylindrical work-pieces and moving flat work-pieces smoothly on the original basis.
6. Other functions: the company can customize and develop the functions required by customers.

Component Description

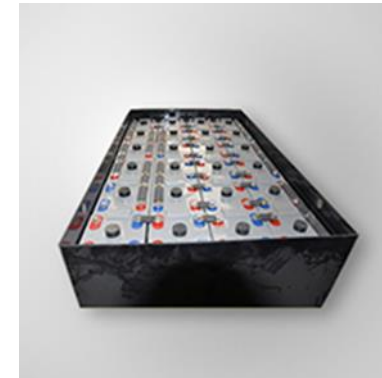
1.Dc brush-less motor

Brush-less DC motor is a kind of permanent magnet synchronous motor, but it is not a real DC motor. It is simply called BLDC in English. Different from brush-less DC motor, brush-less DC motor does not use mechanical brush device, adopts square wave self-controlled permanent magnet synchronous motor, replaces cart brush commutator with Hall sensor, and uses Nd Fe B as permanent magnet material of rotor. Compared with common traditional DC motor, brush-less DC motor has great advantages in performance and is the most ideal speed regulating motor today. The essence of DC brush-less motor is permanent magnet synchronous motor with position feedback, which adopts DC power input and uses inverted to change into three-phase AC power.



2. Lead acid battery

Lead-acid water battery is also called lead-acid battery. Its electrode is composed of lead and lead oxide, and its electrolyte is aqueous solution of sulfuric acid. The main advantages are stable voltage and low price. Disadvantages are low specific energy (i.e. electric energy stored per kilogram of battery), short service life and frequent daily maintenance. The general service life of the old-fashioned ordinary storage battery is about 2 years, and the height of electrolyte should be checked regularly and distilled water should be added. However, with the development of science and technology, the life of ordinary batteries has become longer and easier to maintain.



3. Driving wheel

The torque executive component, which consists of a bearing seat, a bearing, a steel core, a rubber coating, bolts, a threading shaft, keys and other parts, provides power for trackless carts and power for differential steering torque, is firm and firm, and greatly reduces ground damage.



4. BC series intelligent charger

This product is controlled by microcomputer program and can prolong the service life of the battery by limiting the current and constant voltage charging process. Full six-stage intelligent charging, high charging efficiency and minimum battery heating; This product adopts PWM control technology, the whole machine is small in size and convenient to vehicular. Field charging curve setting can be cart out for different types of batteries.

Ease of operation:

One-touch operation, full automatic intelligent charging, unattended operation;
LED indicator light or digital charging status display.

Product function and characteristics:

Prevent the polarity of the battery from being reversed, and the fault indicator will be on.

When the battery circuit is abnormal, it will automatically stop charging.

The battery shall be trickle charged to the rated time and shut down by itself.

When the charger is abnormal and the temperature is too high, it will automatically stop working and warn.

Scope of application:

This charger can be widely used for charging various electric carts such as electric pallet carts, pallet truck, electric lift trucks, electric tractors, electric forklifts, electric hunting carts, electric tour carts, electric golf carts, etc.



Application



Numerical control workshop



Machining workshop



Automation workshop



Steel structure workshop



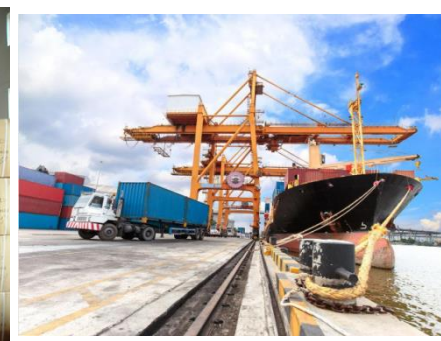
Large logistics transport workshop



Workshop



Warehouse storage room



Workshop wharf

Successful case



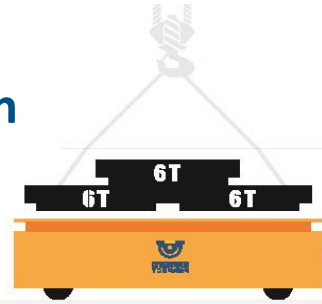
Product

| | Series | Customized |
|---------|--|--|
| BWT | Flatbed Trailer | Tractors, Rickshaws |
| BP | Manual Rail Cart | Cart ferry, Climbing cart, Lift cart |
| BWP | Trackless Transfer Cart | Coil cart, Turntable cart, Automation |
| BDG | Rail Powered Transfer Cart | Loading cart of uncoiler, Roller support cart |
| BXC | Battery Powered Rail Cart | Three-storey cart, Side rollover, turning cart, Split cart |
| BTL | Trailing Cable Powered Transfer Cart | Traversing cart, Billet cart, Manual transfer cart, Ultra-low cart |
| BJT | Cable Drum Powered Transfer Cart | Cross rail cart, Contactless power supply cart, Die Mold Cart |
| BGJ | Rail Flaw Detection Vehicle | |
| AGV/RGV | Automated Transfer Vehicle | |
| BZP | Industrial Turntable | |

AGV Automatic Transport Solution



Automatic program running



Heavy haul handling



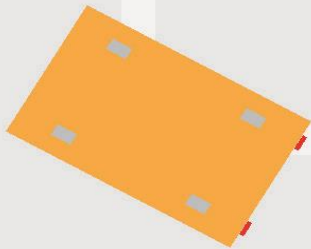
Pause for one minute



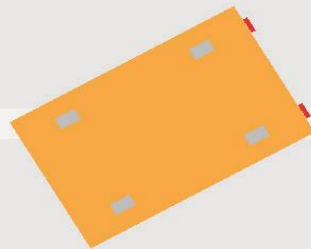
Backwards



Turn right



Turn left



Move forward



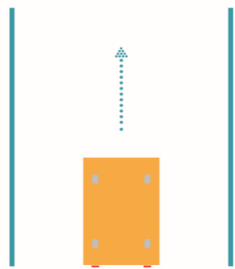
Translation



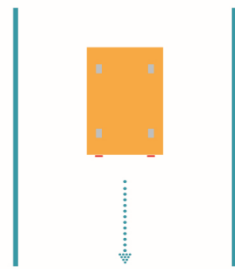
Right angle turn

Trackless Transport Solution

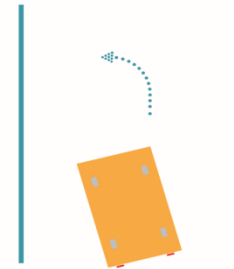
Move forward



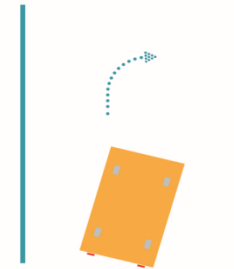
Backwards



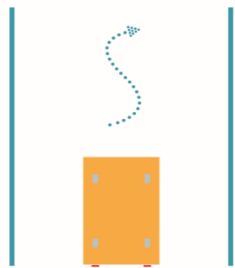
Turn left



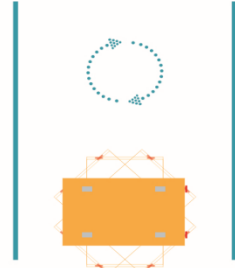
Turn right



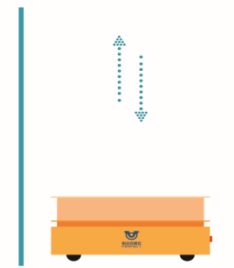
S shape forward



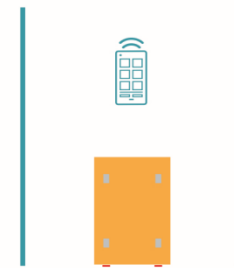
360 degree rotation



Control and move up and down



Wireless remote control



Functional Customization

01 Frequency conversion startup

02 Explosion-proof occasion

09 WIFI wireless communication

11 Anti rollover

13 Climbing

03 Lifting function

10 Load-bearing function

12 Automatic balance

04 Rollover function

07 Mesa precision

14 Track turning

17 Ultra low table

19 Rocker wireless remote controller

05 Fixed-point stop

08 Scanning radar

15 Aisle fork

18 Roller support

20 Waterproof treatment

06 Positioning accuracy

16 Roller support

21 Traverse unit

Company Introduce



Henan Perfect Handling Equipment Co., Ltd. is a professional international handling equipment company integrating research and development, design, production and sales. The company has more than 150 employees, 10 senior engineers, 15 engineers and 25 technicians, accounting for more than 80% of the employees with postgraduate and college degrees. The company's products are mainly divided into nine series, including (BDG low voltage rail powered transfer cart, BJT cable drum powered transfer cart, BHX sliding powered transfer cart, BXC battery powered transfer cart, BTL trailing cable powered transfer cart, BP manual transfer cart, BQY truck tractor, BWP trackless transfer cart, customized cart etc.) The company has passed ISO9001 quality system, CE, SASO and SGS certification, and its products have won eight national patents for electric flat carts. Standardized design and production of products.

Service Commitment

PERFT® IS A LEADER IN THE TRANSPORT INDUSTRY, PROVIDING A COMPLETE RANGE OF SERVICES TO OUR CUSTOMERS. WE ARE COMMITTED TO EXCELLENCE IN EVERY ASPECT OF OUR BUSINESS, FROM THE DESIGN AND MANUFACTURE OF OUR PRODUCTS TO THE DELIVERY AND AFTER-SALES SUPPORT. WE STRIVE TO BE THE MOST RELIABLE AND EFFICIENT TRANSPORT SOLUTION PROVIDER IN THE MARKET.

Pre-sale >



After-sales >



PERFT[®]

TO MAKE THE TRANSPORT EASIER



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