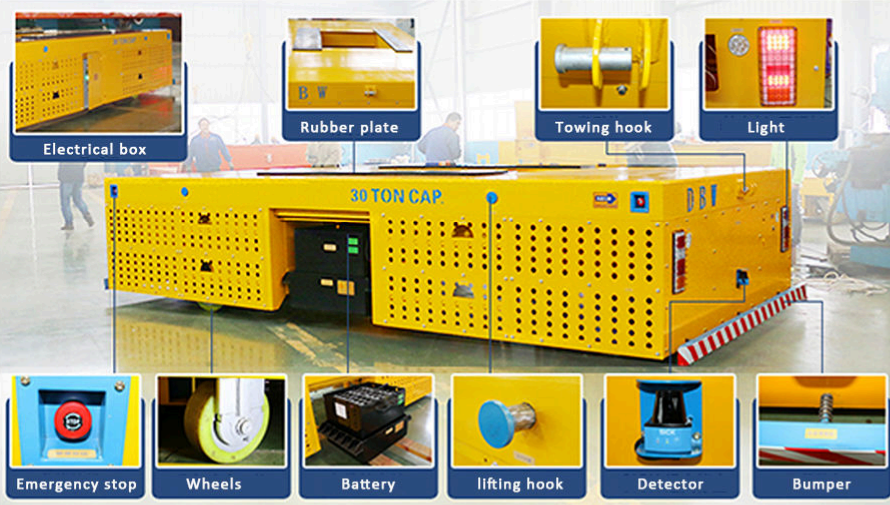


The battery powered transfer cart (BWP)



Structure

The car frame material is Q235-B. It is formed by welding the section steel and steel plate together. The section steel, served as the car's longitudinal and horizontal beams, is welded under the table and form the grid frame. This kind of design has the advantages of heavy carrying capacity and making the table bear equivalent force. For the convenience of shipping, lifting holes are set at both sides.

Wheels

We provide the Polyurethane solid wheels for the BWP serie transfer cart. This kind of wheels are sturdy, firm and do no damage to the ground. There are two fixed wheels for the drive wheels of the transfer cart. The driven wheels are the swivel wheel. The trackless can realize 360°turning with small radius. About the turning mechanism, it can turn as working or at original place as following picture.

Alarm light

The alarm light installed on the transfer cart mainly is small sound and light lamps with quality material. It is bright and alert when the cart running. The color and the type can be customized.

Radar detector

The radar detector is Diffuse reflection photoelectric switch. It mainly are used for detect obstacle and pedestrians. Due to the distance of the detection is long enough, these trolleys which has installed will have enough cushion to stop. With the assistance of electrical, the switch can work automatically and stably with the system. The switch has high protection level of IP-66, which makes the switch available in almost all the environment.



Battery

a)The trackless transfer cart is equipped with the maintenance-free lead acid battery. It doesn't need maintenance at the whole service life.
b)The battery capacity is depend on the cart load capacity. It can run 4-6 hours when full-load and just need 6-8 hours for charging. When it is left 30% power, it will need 4 h to charge full.
c)The service life of the battery is 3-4 years with normal use, or you can charge 1200 -1500 times for using.

Pendent

The transfer cart is equipped with the pendant to operate the start, stop, move forward and move backward. The pendant can be also called the wired remote controller. (Here is a video on YOUTUBE, it is our customers to visit our factory and test the trackless cart. It controlled by pendant: <https://www.youtube.com/watch?v=J3e2X6gnNMg>)

Remote controller

The remote controller controls the cart without wire. The function of the remote controller is same as the pendant. It is very efficient and convenient. You can choose as your need. (Another video on YOUTUBE of the remote control: <https://www.youtube.com/watch?v=RvElynh14Ck>)

Buffer

The buffer is used to protect the body of the transfer car from colliding with hard objects (such as wall or other vehicle). There are two types buffer as below: the first one is the simple spring buffer, the another one is the welding on the cart body.

Parameter

| Model | BWP-5t | BWP-20t | BWP-30t | BWP-40t | BWP-50t |
|-------------------------------|------------------------------------|-------------------|-------------------|-------------------|-------------------|
| Rated Load(t) | 5 | 20 | 30 | 40 | 50 |
| Ground requirement | Cement floor or Steel plate ground | | | | |
| Ground Clearance(mm) | 50 | 50 | 50 | 50 | 50 |
| Table size (mm) | 3000*2000 | 4500*2200 | 5000*2200 | 5500*2300 | 6000*2300 |
| Height of the whole cart (mm) | 450 | 600 | 650 | 700 | 700 |
| Wheel base (mm) | 1500 | 1700 | 1700 | 1800 | 1800 |
| Turning radius (mm) | 2501 | 3901 | 4301 | 4801 | 5201 |
| Motor power (KW) | 3.5 | 7 | 10 | 12 | 15 |
| Wheel diameter (mm) | 300 (4) | 400 (4) | 400 (6) | 500 (6) | 500 (6) |
| Running speed (m/min) | 0-15 | | 0-12 | | |
| Battery model | D-250 24pieces | D-440 24pieces | D-250 36pieces | D-330 36pieces | D-440 36pieces |
| Battery maintenance | Free of maintenance | | | | |
| Cart color | Yellow and warning sign | | | | |

Feature

- a) It can turn 360 degree on the cement floor with a small turning radius.
- b) The running distance is unlimited and can meet different demands on various occasions.
- c) Anti-high temperature, Anti-high explosion;
- d) Convenient to shipment with lifting holes;
- e) Stable start, big starting power, long lifetime



Operation

- 1) Turn on the power switch, and cancel the E-stop (turn it clockwise), then the light turns green and voltmeter works. (Please pay attention to the emergency stop buttons mounted on the cart)
- 2) Please turn the selector switch to hand held control mode or remote control mode.

- 3) Take out hand held pendant or remote control.
- 4) After operation, please note that press the "E-stop" button on electrical box and turn off the power.

