

# KPX Battery Powered Electric Flat Carts

## Product Introduction

The KPX series is a battery powered electric flat car powered by a battery pack. The battery provides power to the DC induction motor, which drives the flat car to run. Compared with AC motors, DC motors have the advantages of less burnout, larger starting torque, and stronger overload capacity. It has greater safety performance and maneuverability flexibility than the KP series flat cars. It can travel on curves and turnouts, with unlimited travel distance and no insulation requirements for the track, making construction convenient and cost-effective. The battery adopts a tubular positive electrode and can maintain a long lifespan under high current discharge conditions. When purchasing an automatic charger produced by our company for this type of flat car, unmanned charging can be achieved.

## Advantages

1. This series of electric flat cars is suitable for harsh environments, high temperature environments, explosion-proof environments, and other occasions;
2. Due to its simple structure and low cost, it is a common track flat car for workshop crossing;
3. Compared to the KPX series flat cars, it is not limited by usage time;
4. Compared to the KPD series flat cars, the requirements for track laying are not high;
5. Suitable for any load capacity and high frequency of use, with a maximum operating distance of less than 200 meters.

## Basic Parameter

Flat car model	KPX-2t	KPX-5t	KPX-10t	KPX-16t	KPX-20t	KPX-25t	KPX-30t	KPX-40t	KPX-50t	KPX-63t	KPX-80t	KPX-100t	KPX-150t
Rated load capacity (t)	2	5	10	16	20	25	30	40	50	63	80	100	150
Table size Length (L)	2000	3500	3600	4000	4000	4500	4500	5000	5500	5600	6000	6500	10000
(mm)	Width (W)	1500	2000	2000	2000	2200	2200	2400	2400	2400	2600	2800	3000
	Height (H)	150	500	500	550	550	600	600	650	650	700	900	1200
Track width (mm)	1200	2500	2600	2800	2800	3200	3200	3800	4200	4300	4700	4900	7000
Rail inner distance (mm)	1200	1435	1435	1435	1435	1435	1435	1435	1435	1435	1800	2000	2000
Wheel diameter (mm)	Φ270	Φ300	Φ300	Φ350	Φ350	Φ400	Φ400	Φ500	Φ500	Φ600	Φ600	Φ600	Φ600
Number of wheels (pieces)	4	4	4	4	4	4	4	4	4	4	4	4	8
Ground clearance (mm)	50	50	50	50	50	50	50	50	50	75	75	75	75
Running speed (m/min)	0-25	0-25	0-25	0-20	0-20	0-20	0-20	0-20	0-20	0-20	0-20	0-20	0-18
Motor power (kW)	1	1.2	1.6	2	2.2	3	3.5	4	5	6.3	8	10	15
Battery capacity (Ah)	180	180	160	180	180	250	250	300	330	400	400	440	600
Battery voltage (V)	24	36	48	48	48	48	48	48	48	48	72	72	72

