

# KPD rail powered electric flat carts

## Description

The KPD series is a 36V single-phase (three-phase) low-voltage rail-powered intelligent transport flat car. It uses rail busbars for power supply, and the ground step-down transformer control cabinet steps down the single-phase (three-phase) AC 380V to single-phase (three-phase) 36V, which is fed to the flat car through the rail busbars, and then the wheels take power, which is converted into DC through the rectifier, and the DC controller controls the DC motor (YZ hoisting metallurgy motor in the case of three-phase) to provide power.

## Features

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### ◆ Базовый параметр

Lifting capacity: 3-100T

Running distance : 0-100M



Model	KPD-2t	KPD-5t	KPD-10t	KPD-16t	KPD-20t	KPD-25t	KPD-30t	KPD-40t	KPD-50t	KPD-63t	KPD-80t	KPD-100t
Rated load(t)	2	5	10	16	20	25	30	40	50	63	63	100
Table size	Length(L)	2000	3500	3600	4000	4000	4500	4500	5000	5500	5600	6500
	Width(W)	1500	2000	2000	2000	2200	2200	2200	2500	2500	2500	2800
	Height(H)	450	450	500	500	550	600	600	650	650	750	850
Wheel base(mm)	1200	2500	2600	2800	2800	3200	3200	3800	4200	4300	4360	4900
Rail inner gauge(mm)	1200	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	2000
Wheel Diameter(mm)	Ø270	Ø300	Ø300	Ø350	Ø350	Ø400	Ø400	Ø500	Ø500	Ø600	Ø600	Ø600
Wheel quantity(pc)	4	4	4	4	4	4	4	4	4	4	4	4
Ground clearance(mm)	50	50	50	50	50	50	50	50	50	75	75	75
Running speed(min)	25	25	25	20	20	20	20	20	20	20	20	20
Motor power(kw)	0.8	1.5	1.5	2.2	2.5	3	4	5.5	5.5	7.5	7.5	11
Transformer power(kw)	3	5	5	6.8	6.8	6.8	10	10	10	20	20	30
Transformer quantity(pc)	1	1	1	1	1	1	1	1	1	1	1	1
Running distance(m)	80	80	80	80	80	80	80	60	50	50	50	50
Max wheel Load(KN)	14.4	25.8	42.6	64.5	77.7	94.5	110.4	142.8	174	221.4	278.4	343.8
Reference weight(t)	2.8	3.6	4.2	5.5	5.9	6.5	6.8	7.6	8	10.8	12.8	14.6
Recommended Rail Model	P15	P18	P18	P24	P24	P38	P38	P43	P43	P50	P50	QU100

