

蓄电池牵引车技术参数表
Technical Data For Battery Tow Tractor

特征 Identification	1.1	品牌	Brand	卓一 Zowell					
	1.2	产品型号	Product model		XT30	XT50e	XT40	XT60	
	1.3	动力形式	Power supply		电动 Electric	电动 Electric	电动 Electric	电动 Electric	
	1.4	操作类型	Operating type		站驾式 Standing on	站驾式 Standing on	座驾式 Sitting-on	座驾式 Sitting-on	
	1.5	额定载荷	Max traction weight	Q (kg)	3000	5000	4000	6000	
	1.7	额定牵引力	Rated pulling force (60min rating)	F (N)	750	1250	1000	1170	
	1.9	轴距	Wheelbase (± 5 mm)	y (mm)	950	1000	955	1350	
	2.1	自重(带标准蓄电池)	Truck weight (with battery) (±10 %)	kg	660	865	783	1210	
重量 Weight	2.3	轴载, 空载, 前/后	Axle loading,unloaded(front/rear) (±10 %)	kg	410/250	540/325	279/504	440/770	
	3.1	车轮类型	Tyres		聚氨酯 Polyurethane	聚氨酯 Polyurethane	橡胶 Rubber	橡胶 Rubber	
轮胎 Tyre	3.2	前轮尺寸	Sizes of front wheel	Φ x 1mm	Φ 230 x82	Φ 230 x 82	3.50-5-6PR	3.50-5-6PR	
	3.3	后轮尺寸	Sizes of rear wheel	Φ x 1mm	Φ 210 x 85	Φ 210 x 85	4.00-8-6PR	4.00-8-6PR	
	3.4	辅助轮尺寸	Sizes of additional wheel	Φ x 1mm	-	-	-	-	
	3.5	车轮数量 (x=驱动轮), 前/后 Wheels number (x=drive wheel) front/rear			1x/2	1x/2	1/2x	1/2x	
	3.6	前轮距	Tread, front	b10 (mm)	0	0	0	245	
	3.7	后轮距	Tread,rear	b11 (mm)	695	695	724	860	
	4.7	整车高度	Overall height	h6 (mm)	1525	1620	1245	1245	
基本尺寸 Dimension	4.9	行驶位置手柄高度, 最大/最小 Height of tiller in drive position(Max./Min.)		h14 (mm)	1535/950	1365/1230	-	-	
	4.12	牵引挂钩高度	Hook height	h10 (mm)	170/220/270	170/220/270	305/355	275/325/375	
	4.19	整车长度	Overall length (± 5 mm)	l1 (mm)	1373	1428	1728	2052	
	4.21	整车宽度	Overall width (± 5 mm)	b1/b2 (mm)	792/800	792/800	858	984	
	4.32	离地间隙 (轴距中心)	Ground clearance (Tread center) (Min)	m2 (mm)	70	70	85	95	
	4.35	转弯半径 (最小)	Turning radius (Min.)	Wa (mm)	1150	1200	1447	1720	
	5.1	行走速度, 满载/空载	Drive speed unloaded/loaded (± 5 %)	km/h	6/ 7.5	5.5/ 7	7/ 13	7/ 15	
性能 Performance	5.5	牵引力, 满载/空载(60min工作制) Rated pulling force, load/unload (60min rating)		N	750	1250	1000	1170	
	5.6	最大牵引力, 满载/空载(5min工作制) Max pulling force, load/unload (5min rating)		N	2330	3200	4000	4410	
	5.8	最大爬坡度, 满载/空载(5min工作制) Max gradeability, load/unload (5min rating)		%	4.5/15	3.5/15	7/ 14	5/ 25	
	5.10	刹车类型	Brake type		电磁制动 Electromagnetic	电磁制动 Electromagnetic	液压制动 Hydraulic	液压制动 Hydraulic	
	6.1	驱动电机功率	Drive motor rating	kW	1.5	3	3	4	
电机 Motor	6.4	蓄电池电压/容量(5小时放电率) Battery voltage / nominal capacity (5 hours discharge rate)		V/Ah	24/240	24/400	24/280	48/320	
	6.5	蓄电池重量	Battery weight (± 10 %)	kg	230	340	285	540	
	8.1	驱动控制	Type of drive control		柯蒂斯 交流 AC Curtis	柯蒂斯 交流 AC Curtis	柯蒂斯 交流 AC Curtis	柯蒂斯 交流 AC Curtis	
其他 others	8.4	耳边噪音	Noise level at operator's ear	dB (A)	<70	<70	<70	<70	
	8.5	牵引装置	Type of trailer coupling		插销式 Latch	插销式 Latch	插销式 Latch	插销式 Latch	



卓一智能叉车 Zowell Forklift
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XT系列 电动牵引车 Battery Tow Tractor



小巧灵活
Compact & Flexible
动力强劲
Strong Power

XT系列电动牵引车

Battery Tow Tractor

小巧灵活，动力强劲

紧凑的车身设计使得 XT 系列牵引车比以往任何车型更适合在狭小的空间内工作！不仅如此，由于采用了美国 CURTIS 先进的交流控制系统，该系列牵引车的牵引能力更令人感到惊叹。

人性设计，舒适驾驶

众多便利功能以及加 / 减速平滑特点（得益于 AC 交流动力系统），可带来舒适便捷的驾驶体验。



XT30

标准配置		
· 感应系统(OPS)	· 电喇叭	· 美国 CURTIS 控制器
· 后靠座椅	· 电池电量指示灯	· 智能充电器
· 小时计	· 紧急电源切断开关	· 警示灯
· 后牵引杆	· 聚氨酯轮胎	· 转弯限速

可选配置		
· 大容量蓄电池	· 电池拖车	· 后视镜
· 花纹轮胎	· 前大灯	· 倒车蜂鸣器

STANDARD FEATURE		
·Operator Presence Sensing system	·Electric Horn	·USA Curtis Brand Controller
·Back Rest Seat	·Battery Status Indicator	·Intelligent Charger
·Hour Meter	·Emergency Stop Button	·Warning light
·Rear Trailer Coupling	·PU Wheel	·Curve Speed Limit

OPTIONAL FEATURE		
·Big Capacity Battery	·Battery Charging Cart	·Rear Mirror
·Tread Patterns Tyre	·Front Light	·Reverse Alarm

Compact & Flexible,Strong Power
Compact design make XT serial tow tractor be more suitable to operate in confined space than any tractor in the past. What's more,Due to the advanced AC Curtis controlling system, you will be suprised at their towing ability.

Humanized Design & Smooth Driving
Since the tractors have so many convenient function and smooth acceleration and deceleration (benefit from AC power system), the operator will have excellent driving experience.



XT40

标准配置			
· 感应系统 (OPS)	· 充气轮胎 (后胎)	· 警示灯	
· 电池电量指示灯	· 美国 CURTIS 控制器	· 智能充电器	
· 小时计	· 紧急电源切断开关	· 可操作牵引机构	
· 豪华座椅			

可选配置			
· 后视镜	· 半封闭顶棚	· 转弯限速	
· 实芯轮胎	· 倒车蜂鸣器	· 防雨帘	
	· 电池拖车		

STANDARD FEATURE			
·Operator Presence Sensing system	·Rear Pneumatic Tyre	·Warning light	
·Battery Status Indicator	·USA Curtis Brand Controller	·Intelligent Charger	
·Hour Meter	·Emergency Stop Button	·Remote Trailer Coupling	
·Luxury Seat			

OPTIONAL FEATURE			
·Rear Mirror	·Half-closed Cabin	·Curve Speed Limit	
·Rear Solid Tyre	·Reverse Alarm	·Rain-proof Curtain	
	·Battery Charging Cart		

预防事故， 安心作业

Accident Prevention,
Work At Ease



操作者存在感应系统
该系统使用一个感应开关来探测驾驶员是否就位，如果驾驶员不在正常的操作位置，行驶动力将被自动切断。



主动稳定系统
该系统用于控制车辆的稳定性，车辆在高速转弯时，很容易侧倾，加装该主动稳定系统，能够有效解决此问题，让驾驶更安全。

长时操作， 理想之选

Ideal Choice For
Long-time Operation



XT 系列牵引车使用了 ZOWELL 的全新交流电动马达和高性能电池，一次充电可维持长时间的工作周期。



XT50e

标准配置		
· 感应系统 (OPS)	· 电喇叭	· 聚氨酯轮胎
· 后靠座椅	· 电池电量指示灯	· 美国 CURTIS 控制器
· 小时计	· 紧急电源切断开关	· 智能充电器
· 后牵引杆	· 电转向	· 警示灯
		· 转弯限速

可选配置		
· 大容量电池	· 电池拖车	· 后视镜
· 花纹轮胎	· 前大灯	· 倒车蜂鸣器

STANDARD FEATURE		
·Operator Presence Sensing system	·Electric Horn	·PU Wheel
·Back Rest Seat	·Battery Status Indicator	·USA Curtis Brand Controller
·Hour Meter	·Emergency Stop Button	·Intelligent Charger
·Rear Trailer Coupling	·EPS	·Warning light
		·Curve Speed Limit

OPTIONAL FEATURE		
·Big Capacity Battery	·Battery Charging Cart	·Rear Mirror
·Tread Patterns Tyre	·Front Light	·Reverse Alarm



XT60

标准配置		
· 感应系统 (OPS)	· 充气轮胎 (后轮)	· 警示灯
· 电池电量指示灯	· 美国 CURTIS 控制器	· 智能充电器
· 小时计	· 紧急电源切断开关	· 后牵引杆
· USB 充电窗口		

可选配置		
· 可操作牵引机构（全封闭驾驶室不适用）	· 转弯限速	· 雨刮器
· 半封闭驾驶室	· 周边防护	· 实芯轮胎
· 后视镜	· 豪华座椅	· 蹬车台阶
	· 全封闭驾驶室	

STANDARD FEATURE		
·Operator Presence Sensing system	·Rear Pneumatic Tyre	·Warning light
·Battery Status Indicator	·USA Curtis Brand Controller	·Intelligent Charger
·Hour Meter	·Emergency Stop Button	·Rear Trailer Coupling
·USB charging port		

OPTIONAL FEATURE		
·Remote Trailer Coupling (except full-closed cabin)	·Curve Speed Limit	·Rain Wiper
·Half-closed Cabin	·Rubber / Metal protection	·Rear Solid Tyre
·Rear Mirror	·Luxury Seat	·Low Entry Step
	·Fully-closed Cabin	

XT30

小巧灵活，动力强劲

Compact & Flexible, Strong Power

紧凑的车身设计使得XT系列牵引车比以往任何车型更适合在狭小的空间内工作！

Operation In Confined Space

Compact design make XT30 tow tractor be more suitable to operate in confined space than any tractor in the past.



驾驶空间

宽大的驾驶员操作平台可提供舒适的驾驶员站立位置，使驾驶员可以更加便利地穿过平台两侧拣选货物。

Driving Room

Due to big platform, the operator stand comfortably and get on /off platform freely to pick up goods on left and right sides.



可调手柄

大范围的可调手柄，适合不同驾驶员及其驾驶习惯。

Adjustable Handle

The handle can be adjusted according to different operators and their driving habits.



电池侧拉

蓄电池侧拉，便于日常维护（检查、加液），不用起吊，更换电池更轻便，效率更高，成本更低。

Side Battery Roll-out

Side battery roll-out system, making it very convenient for battery replacement and maintenance.



柔软舒服的靠背

宽厚的靠背配有两个扶手，倚靠更舒服安全。

Soft and Comfortable Back Rest

The back rest with arms provide superior comfort and safety.



牵引

牵引机构提高工作效率。

Towing

Trailer Coupling improves working efficiency.

XT40

人性设计，舒适驾驶

Humanized Design & Smooth Driving

加大的驾驶操作平台、宽厚的靠背配有两个扶手，充分体现了人性化设计理念。

Big operating platform, wide back rest with arms, all these features are humanized design.



牵引

可操作牵引机构：不用驾驶员下车即可操作，提高工作效率。

Towing

Remote unlocking of the coupling allows the operator to hitch and unhitch the trailer without leaving the operator platform, which improve efficiency.



电池侧位装卸

电池侧位装卸，有效减少更换电池时间，提高工作效率，对工作强度较高的工况更甚。

Side Battery Roll-out

Side battery roll-out system shorten the time of battery replacement, which improve working efficiency, especially for intensive working.



再生制动

可产生高效强烈的制动力、制动距离很短、弥补纯机械制动由于刹车片磨损造成的刹车效果不好的情况。

Regenerative Braking Function

With regenerative braking function, braking force is strong, braking distance is short, there is no wear and tear of brake block as pure mechanical brake, so, the braking effect is always good.



系列电动牵引车 BATTERY TOW TRACTOR

XT50e

安全稳定，人机合一

Safe and Stable, Man-Machine
Perfect Combination

全系标配主动稳定系统、操作者存在感应系统，使得驾驶更安全。
Whole serial tractor standard use SAS and OPS, Making driving more safe.



系列电动牵引车 BATTERY TOW TRACTOR

XT60

长时操作，理想之选

Ideal Choice For Long-time Operation.

采用了先进的交流控制系统，并使用了ZOWELL的全新交流电动马达和高性能电池，一次充电可维持长时间的工作周期。
Long working time per charge is due to the advanced AC controlling system, Zowell new AC driving motor and high performance industrial battery.



可调手柄

大范围的可调手柄，适合不同驾驶员及其驾驶习惯。

Adjustable Handle

The handle can be adjusted according to different operators and their driving habits.

前置文件夹

放置各种工作单据。

Front File Folder

Front folder to keep record paper.

维护方便

拆开前罩，控制系统、驱动系统等关键部件一目了然，维护极其方便。

Design-To-Service

Remove front cover, easy access to the controlling and driving system.

电池侧拉

蓄电池侧拉，便于日常维护（检查、加液），不用起吊，更换电池更轻松，效率更高，成本更低。

Side Battery Roll-out

Side battery roll-out system, making it very convenient for battery replacement and maintenance.

舒服靠背

宽厚的靠背配有两个扶手，依靠更舒服安全。

Soft And Comfortable Back Rest

The back rest with arms provide superior comfort and safety.

短距微动

整车两边各有两个微动按钮，方便牵引车牵引装置和拖车的耦合，提高工作效率。

Inching Controls Of Trailer Coupling

Forward/backward button for inching controls of trailer coupling, which improve working efficiency.

人性化储物盒

可以放置文件、工具等。
Humanized storage area can keep documents, tools and so on.

牵引

牵引机构提高工作效率。

Towing

Trailer coupling improve working efficiency.

浮动踏板

独家设计的浮动式踏板，兼具防滑、减震的功能，让驾驶员更舒适。

Suspension Platform

Exclusively-designed platform is anti-skidding and suspended, Making driving more comfortable.

轻便操作 轻松自如

人机工程学的设计，不仅降低操作者的疲劳，而且提高了工作效率。

Comfortable, Free and Smooth Operation

Ergonomics designs not only lower the work fatigue but also improve working efficiency.

舒适的座椅

宽厚舒适的座椅，驾乘舒适，长时驾驶不易疲劳。

Comfortable Seat

Due to heavy duty seat, the operator have comfortable driving and is not easy to fatigue after long-time operation.

短距微动

由控制器直接控制的微动功能，无需踩加速器，长按点动开关可实现缓慢向前或向后移动，方便对接拖车，提高工作效率。

Inching Controls Of Trailer Coupling

The inching movement is carried out by controller directly, no need to step on accelerator, just push forward/backward button for inching controls of trailer coupling, which improve working efficiency.

蹬车台阶

创新设计的蹬车台阶便于上下车，兼具防滑功能，让驾驶员更加舒适，并且提高美观度。

Entry Step

Low step for effortless entry & exit.

电池侧位装卸

电池侧位装卸，有效减少更换电池时间，提高工作效率，对工作强度较高的工况更甚。

Side Battery Roll-out

Side battery roll-out system shorten the time of battery replacement, which improve working efficiency, especially for intensive working.