



The Perfect Fusion of High-end Technology  
In Europe and South Korea  
欧洲和韩国高端技术的完美融合

Icons on the left side of the image represent various industrial vehicles: a forklift, a pallet truck, a forklift, a pallet truck, and a golf cart.

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烟台金潮宇科蓄电池有限公司  
YANTAI GOLDENTIDE UNIKODI BATTERY CO.,LTD.

用心，创造完美品质

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## COMPANY PROFILES 企业简介



KODI-S考迪斯源于二十世纪八十年代欧洲知名电池集团在韩国的投资企业，通过近二十年发展和积累，在牵引用铅酸蓄电池方面形成了独有的先进核心技术。

2005年KODI-S考迪斯将其韩国工厂整体搬迁到中国，组建了中韩合资公司，严格按照DIN EN 60254和JIS D53031/2的技术标准，专注于高端牵引用铅酸蓄电池的研发、生产、销售和服务。凭借优秀的产品性能，成为高端外资品牌叉车在中国工厂的独家或主要电池供货商，配套业绩涵盖韩国、德国、美国、日本等诸多国际知名叉车品牌。

传承于多年来优秀稳定的产品性能，KODI-S考迪斯将持续改进，不断创新，为更多的客户提供绿色、清洁、环保的能源。

KODI-S originated in a Korea enterprise which is invested by the European famous battery Group. Through nearly 20 years' development and accumulation, KODI-S has owned exclusive advanced core technology in the field of lead acid traction battery.

In 2005, KODI-S has moved their factory entirely to China and built a Sino-Korea joint venture. The company manufacture battery according to the DIN EN 60254 and JIS D5303 1/2 standard strictly and is professional at R&D, manufactures, marketing and service of high qualified powered lead-acid traction battery. Depending on the excellent product performance, KODI-S has become the unique or main battery supplier to some foreign brand forklift which is manufactured in China. The supporting achievement covers many world famous forklift brands from South Korea, Germany, USA and Japan.

With the inheritance of the excellent and stable product performance, KODI-S will improve and innovate continuously and supply green, clean and environmental energy for more customers.

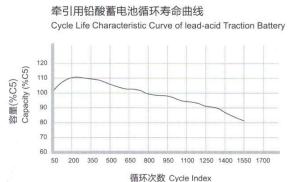


01 KODI-S 考迪斯

## CHARACTERISTICS & ADVANTAGES

### 特性和优势

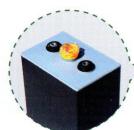
经证实的超过  
1500次循环寿命  
Proved 1500 times  
cycle life



酸循环内化成系统，提升化成效果，  
提高单体均一性  
Acid-circulation formation system,  
promoting the formation effect,  
increasing the uniformity of the cell



正极板采用高耐酸性涤纶纤维套管和低锑多元耐腐蚀合金，负极由袋式PE隔板封包，技术成熟，质量稳定  
Positive spine uses the acid-resisting Polyester fiber gauntlet and corrosion-resisting multi-element lead-base alloy. Negative grid uses the PE bladder type separator with mature technology and stable quality.



由经特殊设计密封圈对铅铸铜芯极柱严密包裹，保护极柱免受电解液腐蚀  
The special designed seal ring wraps the copper-insert lead terminal post, protecting it from the corrosion of the electrolyte.



铜芯连接条、螺栓形成密封式高传导电路，绝缘耐酸、易于维护  
The copper-insert cable and bolt compose the high conduction circuit, insulation , acid-resisting and easy-maintenance.



进口整体式接插器连接线，避免因腐蚀或牵拉导致末端折损  
The imported integral connector line can avoid the breakage caused by corrosion or pulling.



带浮标的加液塞配合透明上盖，可直接观察电解液位置  
The filling plug matching with float and transparent top cover can directly observe the level of the electrolyte.



防酸绝缘电池箱，可根据客户需求定制颜色  
The acid-resisting, insulation battery tray can custom colors according to customer's request.



预留插管孔，可安装空气搅拌系统  
The reserved intubation hole can install the air agitation system.

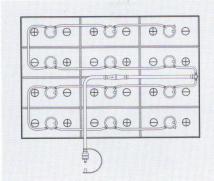


更多的型号选择，总有一款符合您的需求(详见型号参数表)  
More models to choose, there is always one meeting your request.

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## OPTIONAL DEVICES 选配装置



### ▶ 自动补水系统

能快速准确地将电池组每只单体液位加到标准位置，节省人力和时间、提升效率，保证电池液位均衡适当，避免加水不当对电池状态的影响。通过浮标显示易于观察电解液位置。

### ▶ Auto water filling system

It can add water to every cell in the group to the standard level quickly and accurately, saving manpower and time, promoting efficiency, assuring the proper liquid level, avoiding the harmful influence caused by improper water adding. It is easy to observe the electrolyte level through the float.

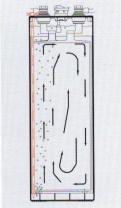


### ▶ 液位显示器

通过指示灯直观了解电解液位置情况，判断是否需要补水。可根据需要选择箱体、接插器、单体三个不同的安装位置。

#### ▶ Liquid level indicator

Seeing the electrolyte level through the indicator light, determining adding water or not. It can be installed at battery tray, plug-in connector and cell according to the requirement.



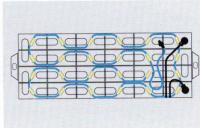
### ▶ 空气搅拌系统

能在为电池充电的同时向单体底部注入洁净空气，以达到搅拌电解液使其时刻处于上下均匀的状态，具备以下优点：

- (1)减少60-70%的纯净水的消耗
- (2)降低能量消耗，节约20%的能量
- (3)充电时间减少20%
- (4)减少由于充电带来的温差达5-10° C
- (5)有效的避免电池极板上活性物质的脱落
- (6)延长电池的使用寿命达15-20%

#### ▶ Air agitation system

It can inject clean air to the cell bottom when charging in order to stir the electrolyte and keep its uniformity. The advantages are as follow:  
(1)Reducing 60-70% pure water consumption (2)Reducing energy consumption, saving 20% energy (3)Reducing 20% charging time  
(4)Reducing 5-10 °C temperature difference caused by charging (5)Avoiding the fall off of the active materials on the spine  
(6)Extending 15-20% service life of the battery



### ▶ 自动加水车

可多点移动加水，易于加水操作，可同自动补水系统对接或安装自动感应水枪

#### ▶ Auto water adding car

Adding water movably,Easy operation,Can connect with the auto water filling system or install auto-induction squirt gun

## 德国DIN标准系列牵引用铅酸蓄电池

## Lead-Acid Traction Battery of DIN

电池型号 Battery Type	5hr 额定容量 5hr Rated Capacity (Ah)	最大外形尺寸(mm) Maximum Outer Size (mm)					参考质量 (带液Kg) Weight(With Electrolyte Kg)	5hr 额定容量 5hr Rated Capacity (Ah)	最大外形尺寸(mm) Maximum Outer Size (mm)					参考质量 (带液Kg) Weight(With Electrolyte Kg)
		长 Length	宽 Width	槽高 Container's Height	总高 Total Height				长 Length	宽 Width	槽高 Container's Height	总高 Total Height		
2PzS120	120	47					9.0	7PzS770	770	137				48.4
3PzS180	180	65					12.2	8PzS880	880	155	198	550	583	55.0
4PzS240	240	83					15.3	9PzS990*	990	173				62.0
5PzS300	300	101					19.0	10PzS1100*	1100	191				69.0
6PzS360	360	119	198	340	373		22.3	2PzS230	230	47				16.4
7PzS420	420	137					25.9	3PzS345	345	65				21.5
8PzS480	480	155					29.5	4PzS460	460	83				28.2
9PzS540*	540	173					33.6	5PzS575	575	101				34.8
10PzS600*	600	191					38.0	6PzS690	690	119	198	550	583	41.2
2PzS140	140	47					9.5	7PzS805	805	137				49.0
3PzS210	210	65					13.5	8PzS920*	920	155				55.7
4PzS280	280	83					18.0	9PzS1035*	1035	173				62.5
5PzS350	350	101					22.5	10PzS1150*	1150	191				69.5
6PzS420	420	119	198	392	424		27.0	2PzS240	240	47				17.0
7PzS490	490	137					31.0	3PzS360	360	65				22.5
8PzS560	560	155					35.5	4PzS460	460	83				29.5
9PzS630*	630	173					40.0	5PzS600	600	101				36.0
10PzS700*	700	191					44.2	6PzS720	720	119	198	570	603	43.5
2PzS160	160	47					10.2	7PzS840	840	137				51.0
3PzS240	240	65					14.8	8PzS960*	960	155				58.0
4PzS320	320	83					19.8	9PzS1080*	1080	173				65.5
5PzS400	400	101					25.4	10PzS1200*	1200	191				72.5
6PzS480	480	119	198	405	438		30.5	2PzS250	250	47				17.2
7PzS560	560	137					35.0	3PzS375	375	65				23.5
8PzS640	640	155					40.5	4PzS500	500	83				31.0
9PzS720*	720	173					45.0	5PzS625	625	101				38.0
10PzS800*	800	191					50.5	6PzS750	750	119	198	576	608	45.5
2PzS180	180	47					12.3	7PzS875	875	137				53.0
3PzS270	270	65					17.0	8PzS1000*	1000	155				60.0
4PzS360	360	83					23.0	9PzS1125*	1125	173				68.0
5PzS450	450	101					28.5	10PzS1250*	1250	191				75.5
6PzS540	540	119	198	472	505		34.0	2PzS260	260	47				17.5
7PzS630	630	137					38.0	3PzS390	390	65				25.0
8PzS720	720	155					45.0	4PzS520	520	83				33.5
9PzS810*	810	173					50.5	5PzS650	650	101				41.0
10PzS900*	900	191					55.0	6PzS780	780	119	198	660	693	49.2
2PzS200	200	47					14.0	7PzS910*	910	137				56.8
3PzS300	300	65					20.3	8PzS1040*	1040	155				65.0
4PzS400	400	83					26.0	9PzS1170*	1170	173				73.0
5PzS500	500	101					32.0	10PzS1300*	1300	191				80.0
6PzS600	600	119	198	527	560		37.5	2PzS280	280	47				19.0
7PzS700	700	137					43.5	3PzS420	420	65				27.0
8PzS800	800	155					49.0	4PzS560	560	83				34.0
9PzS900*	900	173					55.5	5PzS700	700	101				42.5
10PzS1000*	1000	191					61.5	6PzS840	840	119	198	687	720	51.0
2PzS210	210	47					14.5	7PzS910*	910	137				56.8
3PzS315	315	65					20.5	8PzS1040*	1040	155				65.0
4PzS420	420	83					28.0	9PzS1170*	1170	173				73.0
5PzS525	525	101					33.0	10PzS1260*	1260	173				80.0
6PzS630	630	119	198	527	560		38.5	2PzS1400*	1400	191				85.0
7PzS735	735	137					44.5	2PzS310	310	47				20.0
8PzS840	840	155					50.0	3PzS465	465	65				30.5
9PzS945*	945	173					56.5	4PzS620	620	83				37.0
10PzS1050*	1050	191					62.5	5PzS775	775	101				47.0
2PzS220	220	47					16.0	6PzS930	930	119	198	723	756	56.5
3PzS330	330	65					21.0	7PzS1085*	1085	137				66.0
4PzS440	440	83	198	550	583		27.5	8PzS1240*	1240	155				75.0
5PzS550	550	101					34.0	9PzS1395*	1395	173				84.5
6PzS660	660	119					40.6	10PzS1550*	1550	191				94.0

注：额定电压为2V 型号带\*标记的单体正负极均为双极柱

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### 英国BS标准系列牵引用铅酸蓄电池 Lead-Acid Traction Battery of BS

蓄电池型号 Battery Type	5hr 额定容量 5hr Rated Capacity(Ah)	最大外形尺寸(mm) Maximum Outer Size (mm)				参考质量 (带液Kg) Weight(With Electrolyte Kg)	蓄电池型号 Battery Type	5hr 额定容量 5hr Rated Capacity(Ah)	最大外形尺寸(mm) Maximum Outer Size (mm)				参考质量 (带液Kg) Weight(With Electrolyte Kg)
		长 Length	宽 Width	槽高 Cell Height	总高 Total Height				长 Length	宽 Width	槽高 Cell Height	总高 Total Height	
3PzB165	165	61				12.0	3PzB255	255	61				17.0
4PzB220	220	77				14.2	4PzB340	340	77				21.0
5PzB275	275	93				17.7	5PzB425	425	93				25.5
6PzB330	330	109				21.0	6PzB510	510	109				30.0
7PzB385	385	125				24.0	7PzB595	595	125	158	570	603	34.6
8PzB440	440	141	158	400	433	27.5	8PzB680	680	141				40.4
9PzB495	495	157				30.5	9PzB765*	765	157				44.8
10PzB550	550	173				34.0	10PzB850*	850	173				49.7
11PzB605*	605	185				36.5	11PzB935*	935	185				54.4
12PzB660*	660	204				39.0	12PzB1020*	1020	204				59.0
3PzB240	240	61				15.5	3PzB270	270	61				18.0
4PzB320	320	77				20.0	4PzB360	360	77				23.0
5PzB400	400	93				24.5	5PzB450	450	93				28.5
6PzB480	480	109				28.7	6PzB540	540	109				33.5
7PzB560	560	125	158	542	575	33.5	7PzB630	630	125	158	600	633	38.0
8PzB640	640	141				38.0	8PzB720	720	141				43.0
9PzB720	720	157				43.0	9PzB810*	810	157				48.0
10PzB800*	800	173				47.0	10PzB900*	900	173				53.5
11PzB880*	880	185				52.0	11PzB990*	990	185				58.5
12PzB960*	960	204				55.5	12PzB1080*	1080	204				63.5

注：额定电压为2V 型号带\*标记的单体正负极均为双极柱



05  考迪斯

### 英国BS(日本JIS)标准系列牵引用铅酸蓄电池 Lead-Acid Traction Battery of BS(JIS)

		最大外形尺寸(mm) Maximum Outer Size (mm)											
		长 Length	宽 Width	槽高 Containers' Height	总高 Total Height	参考质量 (带液Kg) Weight(With Electrolyte Kg)			长 Length	宽 Width	槽高 Containers' Height	总高 Total Height	参考质量 (带液Kg) Weight(With Electrolyte Kg)
Battery Type	5hr 额定容量 5hr Rated Capacity (Ah)						Battery Type	5hr 额定容量 5hr Rated Capacity (Ah)					
VCA	180	180	109			12.0	VCEH	195	195	61		13.2	
	216	216	109			14.8		260	260	77		16.8	
	238	238	141			16.0		325	325	90/93		20.5	
	252	252	125	158	295	328		390	390	109		24.1	
	288	288	141			19.5		455	455	125		27.7	
	324	324	157			22.0		520	520	141	158	486	
VCC	360	360	173			24.5		585	585	157		31.4	
	120	120	61			8.2		650	650	173		35.0	
	160	160	77			10.8		715*	715	185		38.5	
	200	200	90/93			13.5		780*	780	204		42.0	
	240	240	109	158	328	361		201/210	210	61		45.5	
	280	280	125			16.0		268/280	280	77		13.8	
VCF	320	320	141			18.6		280	280	90		17.5	
	360	360	157			21.5		320	320	90/93		18.5	
	400	400	173			24.0		335	335	90/93		21.4	
	150	150	61			11.0		350	350	109		21.7	
	200	200	77			13.2		400/420	420	109	158	523	
	250	250	90/93			16.5		490	490	125		22.5	
VCD	270	270	109			17.0		545/560	560	141		30.5	
	300	300	109			19.6		630	630	157		34.0	
	350	350	125	158	395	428		700	700	173		38.0	
	400	400	141			22.6		770*	770	185		42.2	
	450	450	157			25.5		840*	840	204		45.5	
	500	500	173			29.5		910/935*	910	221		49.5	
VCDH	550*	550	185			32.0		150/160	160	45		53.5	
	600*	600	204			34.5		220/230	230	61		57.0	
	175	175	61			37.5		288/300/312	300	77		60.0	
	232	232	77			41.5		335	300	90		63.5	
	290	290	90/93			45.0		365/375	375	90/93		67.0	
	350	350	109			48.5		440/468	468	109		70.5	
VCE	400	400	125	158	409	442		546	546	125		74.0	
	460	460	141			52.0		490	490	125		77.5	
	520	520	157			55.5		505	505	125		81.0	
	580	580	173			58.0		575/585	585	141	158	552	
	630*	630	185			61.5		595	546	141		84.5	
	700*	700	204			65.0		660	630	157		88.0	
VCI	180	180	61			12.3		710*	670	185		91.5	
	240	240	77			16.2		770*	701	185		95.0	
	300	300	90/93			19.5		845*	845	185		98.5	
	360	360	109			23.5		850*	780	204		102.0	
	420	420	125			27.0		900*	900	204		105.5	
	480	480	141			30.5		990*	990	241		109.0	
VCJ	540	540	157			34.0		1080*	1080	241		112.5	
	600	600	173			38.0		300	300	61		116.0	
	660*	660	185			40.5		400	400	77		120.0	
	715*	715	204			44.0		500	500	90/93		124.0	
	740*	740	204			44.8		600	600	109	158	723	
	737*	720	204			44.3		700	700	125	690	63.0	
	715*	660	241			43.5		800*	800	141		66.0	
	770*	720	241			45.9		900*	900	157		69.0	
	740*	740	241			46.4		1000*	1000	173		72.0	
	800*	800	241			48.5							
	880*	840	241			49.9							
	850*	850	241			50.2							

注：额定电压为2V 型号带\*标记的单体正负极均为双极柱