



## 固定型铅酸蓄电池 OPzV/OPzS 系列



地 址: 山东省招远市金龙路 16 号  
邮 编: 265408  
电 话: 86-535-8086000 8083188 8083288  
传 真: 86-535-8087000  
邮 箱: cngtby@cngtby.com  
网 址: www.cngtby.com

ADD: No. 16 Jinlong Road Zhaoyuan City, Shandong Province, China  
TEL: 86-535-8086000 8083188 8083288  
FAX: 86-535-8087000  
E-mail: cngtby@cngtby.com  
HTTP://www.cngtby.com

WWW.CNGTBY.COM





## COMPANY PROFILES 企业简介



烟台金潮宇科蓄电池有限公司成立于2005年，坐落于风景优美的中国“金都”——山东招远，专业从事高品质铅酸蓄电池的研发、生产、销售和服务的国际化新型高科技中韩合资企业。

公司拥有来自韩方股东提供的二十多年生产经验及核心技术，拥有来自德国、美国、日本、奥地利、韩国等国家最先进的生产、组装和检测设备，建有蓄电池产品研发中心和检测中心，确保了产品始终如一的可靠性。目前公司已获得全国工业产品生产许可证、ISO9001 质量体系认证、出口产品质量许可证等一系列官方认证。

传承于多年来优秀稳定的产品性能，金潮宇科将持续改进，不断创新，为更多的客户提供绿色、清洁、环保的能源。

Yantai Goldentide Unikodi Battery Co., Ltd established in 2005, located in the "Gold City" of China —— Zhaoyuan City. We are sino-korea joint venture company which is professional at R&D, manufacturing, selling and service of high quality lead acid battery.

We have 20 years' experience and core technology from our Korean share holder. Meanwhile, we have the advanced manufacturing, assembly and testing equipments introduced from Germany, US, Japan, Austria and South Korea. We also have our own R&D center and testing center to ensure the reliability of our product. Until now, we have gotten the Manufacturing License for Industrial Products, ISO 9001 Quality System Certification and Quality License for Exported Products.

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

### 企业精神

仁爱 团结 诚信 创新

### 企业理念

搏击时代潮流 实现自我价值 奉献社会民众

## ADVANCED EQUIPMENT 先进设备



## OPzV/OPzS 应用领域

● 电信通信 Telecommunication  
— ISDN 交换系统 -ISDN System  
— 微波 -Microwave

● 电力系统 Electrical Power System  
— 发电站 -Generating Station  
— 核电站 -Nuclear Power Station  
— 太阳能，风力电站等 -Solar Power or Wind Power Station

● 无线电和分区式电话中继站 Terrestrial Trunked Radio  
● 紧急照明系统 Emergency Lighting System  
● 大型 UPS 和计算机备用电源 Large UPS & Emergency Power Supply for Computer  
● 铁路信号系统 Railway Signaling System  
● 舰船和海岸的海事备用电力系统 Maritime Standby Power on Ships and Ashore  
● 处理和控制工程 Processing & Control Project  
● 峰值负载补偿储能装置 Peak Load Compensation Energy Storage Device  
● 备用电力电源 Emergency Power Supply  
● 浮标照明 Buoy Lighting



OPzV 系列

产品优势及性能

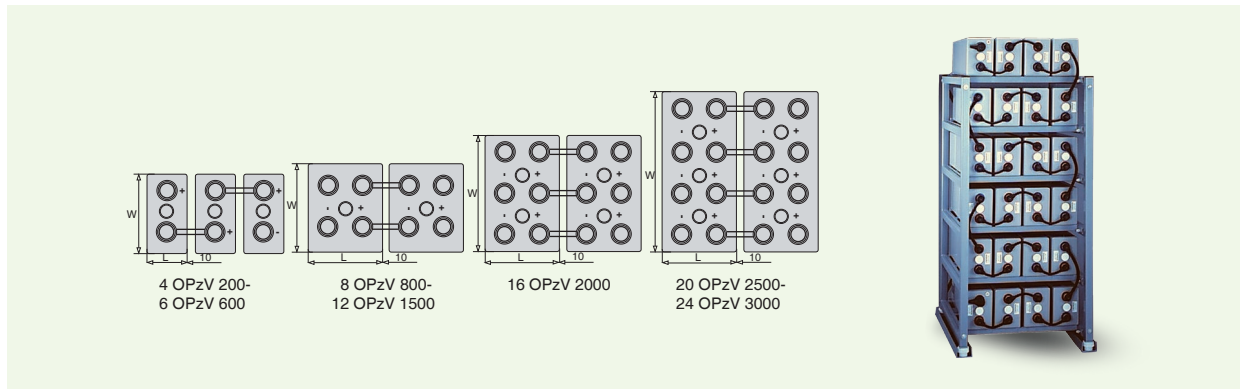
Product Advantages & Performance

- 电池使用寿命期间完全免维护
- 连续浮充工作寿命高达 18 年，其容量约下降为额定容量的 80%
- 采用无锑合金电极，因而无气体泄漏，内部氧气自行中和
- 采用德国气相二氧化硅制作，电解质在成品电池中呈凝胶状态、不流动，所以无漏液及电解液分层现象
- 正极板采用管式极板，可有效的防止活物质脱落，正极板骨架由多元合金压铸成型，耐腐蚀性能好，使用寿命长。负极板为涂膏式极板，特殊的板栅结构设计，提高了活物质的利用率和大电流放电能力，充电接受能力强
- 电池壳为 ABS 材料，耐腐蚀、强度高、外形美观，与盖封合可靠性高无潜在泄漏风险
- 特殊的安全阀结构，合适的开闭阀压力，减少了水的损失，可避免蓄电池外壳膨胀、破裂和电解液干涸现象
- 采用长寿命专用隔板，其隔板孔率大，电阻低
- 内嵌铜芯铅基极柱具有更大的电流承载能力与耐蚀性

- Maintenance free in the whole service life
- Up to 18 years' continuous floating life , the capacity will reduce to 80% of the rated capacity
- Alloy pole without Antimony, no gas leakage, the internal oxygen neutralized itself
- The gel-state electrolyte is made by fumed silica from Germany, no flowing, avoiding leakage and electrolyte stratification
- The tubular type positive plate can avoid the falling of the active material. The framework of the positive plate is casted by multi-element alloy with good anti-corrosion performance and long service life. The negative plate is pasted type with specially designed grid, improving the use ratio of the active material, high current discharge performance and the capability of charging acceptance.
- ABS material container with high anti-corrosion performance and high strength. The connection between container and lid is reliable with no leakage risk.
- The special safety valve can reduce the loss of the water and avoid the expansion, fracture of the container and drain of the electrolyte.
- Long life separator with large porosity and low resistance
- Lead pillar with copper insert has better current load property and corrosion resistance performance.

连接

Connection



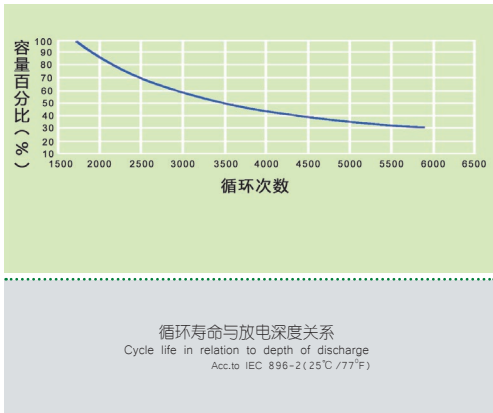
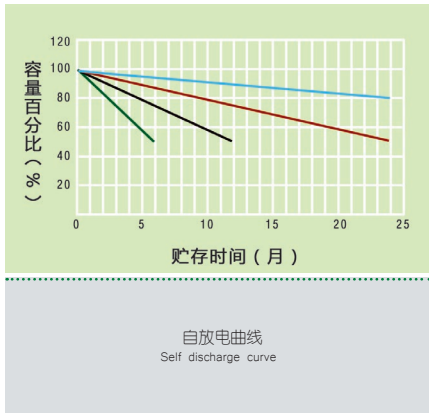
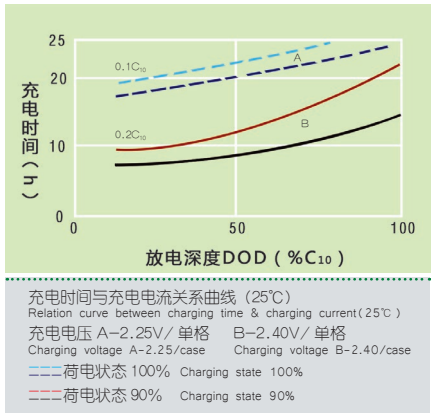
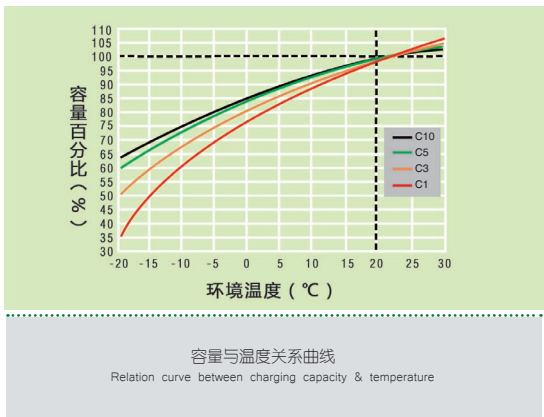
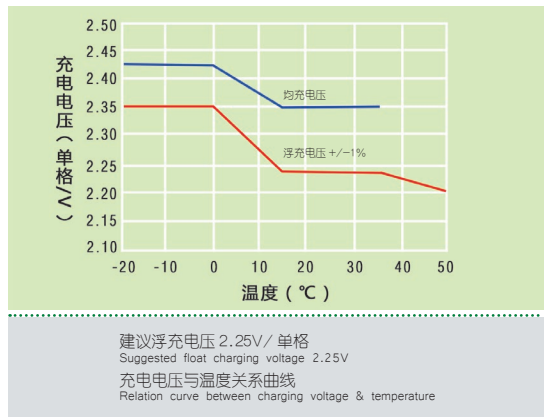
OPzV 系列

OPzV Series

型号 Type	额定电压 Rated Voltage (V)	额定容量 Rated Capacity (Ah)			最大外形尺寸 Maximum Outer Size (mm)				参考重量 Weight (kg)
		10hr	3hr	1hr	长 Length	宽 Width	高 Height	总高 Total Height	
		终止电压 Final Voltage 1.80V	终止电压 Final Voltage 1.80V	终止电压 Final Voltage 1.75V					
4OPzV200	2	200	150	96	105	208	357	388	19.3
5OPzV250		250	187.5	120	126	208	357	388	23.8
6OPzV300		300	225	144	147	208	357	388	27.3
5OPzV350		350	262.5	168	126	208	473	504	30.8
6OPzV420		420	315	201.6	147	208	473	504	36.3
7OPzV490		490	367.5	235.2	168	208	473	504	41.8
6OPzV600		600	450	288	147	208	648	679	49.3
8OPzV800		800	600	384	193	212	648	679	66.3
10OPzV1000		1000	750	480	235	212	648	679	80.8
12OPzV1200		1200	900	576	277	212	648	679	96.5
12OPzV1500		1500	1125	720	277	212	799	830	118.5
16OPzV2000		2000	1500	960	401	216	774	805	161.5
20OPzV2500		2500	1875	1200	489	214	774	805	199.8
24OPzV3000		3000	2250	1440	578	214	774	805	237.0

OPzV 系列电池性能曲线

Performance Curve for OPzV Battery





OPzS 系列

产品优势及性能

Product Advantages & Performance

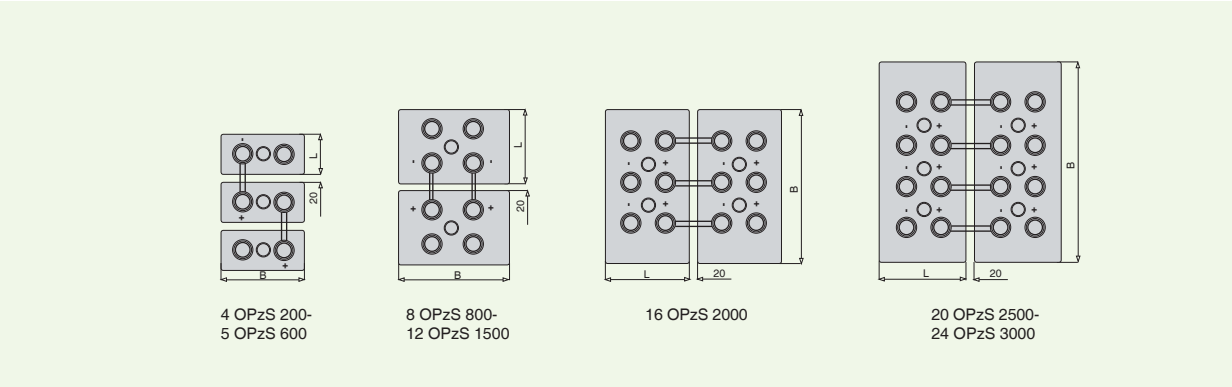
- 电池使用维护简单，操作简单，直观
- 采用低锑合金，内阻极小，从而可以在充电过程中降低水的分解，耗水量少
- 正极板采用管式极板，可有效的防止活物质脱落，正极板骨架由多元合金压铸成型，耐腐蚀性能好，使用寿命长。负极板为涂膏式极板，特殊的板栅结构设计，提高了活物质的利用率和大电流放电能力，充电接受能力强
- 采用 SAN 透明电池槽，良好的防腐性能，强度高，外形美观。透过 SAN 电池槽，可以直接看到内部结构以及实际电池情况
- 安全阀采用特殊的漏斗形防酸、耐火注液塞可以净化酸雾，同时便于直接测量电解液密度以及温度
- 采用长寿命专用隔板，其隔板孔率大，电阻低
- 铅铸铜芯极柱有良好的电流负载性能以及防腐性能，此结构能够防止漏液并且保证极柱密封的可靠性，从而大幅提高产品使用寿命

- Easy maintenance and operation
- Lower-antimony alloy with minimum resistance, reducing the decomposition of the water
- The tubular type positive plate can avoid the falling of the active material. The framework of the positive plate is casted by multi-element alloy with good anti-corrosion performance and long service life. The negative plate is pasted type with specially designed grid, improving the use ratio of the active material, high current discharge performance and the capability of charging acceptance.
- SAN transparent container with high anti-corrosion performance and high strength. Through the SAN container, you can see the internal construction and actual situation of the battery.
- The safety funneled anti-acid valve can filter acid mist and is acid proofing & fire-resistant. Meanwhile, it is convenient for measuring the density and temperature of the electrolyte.
- Long life separator with large porosity and low resistance
- Lead pillar with copper insert has better current load property and corrosion resistance performance. This structure can avoid the leakage and assure the reliability of the polar, improving the service life.



连接

Connection



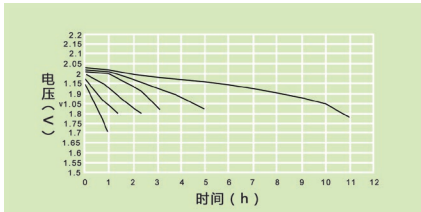
OPzS 系列

OPzS Series

型号 Type	额定电压 Rated Voltage (V)	额定容量 Rated Capacity (Ah)			最大外形尺寸 Maximum Outer Size (mm)				参考重量 Weight (kg)
		10hr	1hr	0.5hr	长 Length	宽 Width	高 Height	总高 Total Height	
		终止电压 Final Voltage 1.80V	终止电压 Final Voltage 1.75V	终止电压 Final Voltage 1.65V					
40PzS200	2	200	90	70	105	208	357	412	17.5
50PzS250		250	112.5	87.5	126	208	357	412	21.3
60PzS300		300	135	105	147	208	357	412	25.0
50PzS350		350	157.5	122.5	126	208	473	528	28.3
60PzS420		420	189	147	147	208	473	528	33.5
70PzS490		490	220.5	171.5	168	208	473	528	38.5
60PzS600		600	270	210	147	208	648	703	46.5
80PzS800		800	360	280	193	212	648	703	63.0
100PzS1000		1000	450	350	235	212	648	703	77.0
120PzS1200		1200	540	420	277	212	648	703	91.0
120PzS1500		1500	675	525	277	212	800	855	112.0
160PzS2000		2000	900	700	401	216	775	830	153.0
200PzS2500		2500	1125	875	489	214	775	830	189.3
240PzS3000		3000	1350	1050	578	214	775	830	224.2

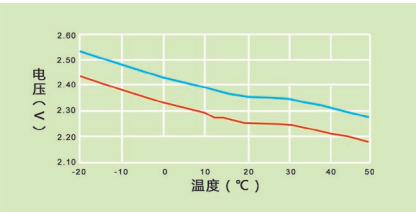
OPzS 系列电池性能曲线

Performance Curve for OPzS Battery



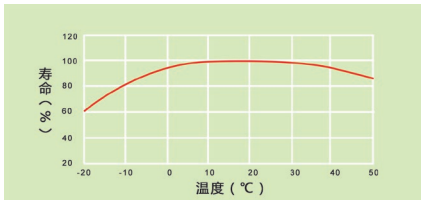
电池放电关系特性曲线

Battery discharging curve



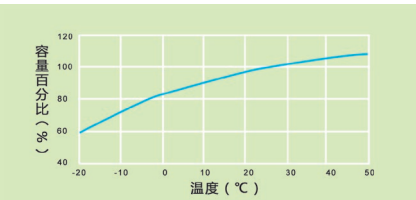
充电电压与温度对比曲线

Charge voltage vs ambient temperature curve



使用寿命与温度关系曲线

Service life vs ambient temperature



放电容量与温度关系曲线

Discharge capacity vs ambient temperature curve(I<sub>0</sub>A)