

# OPzV series

## Tubular Gel Battery



产品简介 : Product Summary

OPzV 系列 (管状胶体系列) 产品是我公司新开发设计的管状胶体阀控式密封免维护铅酸蓄电池。该电池完全采用新型的精密安全阀, 保障了电池内部气体的复合; 先进的胶体电解质技术, 确保电池具有性能可靠、自放电低、深放电和深循环能力强、使用寿命长、等优点。应用于电力系统、通信系统、不间断电源系统、开关及控制系统、动力系统、太阳能光伏系统等, 特别适合于对安全和可靠性以及使用寿命有极高要求的场合。

OPzV series(Tubular Gel series) product is newly developed and designed, tubular gel sealed VRLA storage battery. This series absolutely use new type precision valve to ensure the gas compound. The advanced Gel electrolyte technology ensure the battery with advantages of reliable performance, low self-discharge, deep discharge and deep cycle ability, long service life etc. This series apply to Power System, Communication System, UPS System, Switch Control System, Dynamical System, Solar Photovoltaic System and so on, especially suitable for the place need high request for security, reliability and service life.

产品性能特点 : Product Features

- 标称电压: 2V,12V;
  - 额定容量 80Ah~3000Ah;
  - 工作温度范围: -40~60°C;
  - 设计寿命 20 年 (2V),15 年 (12V);
  - 多元合金压铸成型的管式正极板, 有效防止活性物质脱落, 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;
  - 采用德国进口的气相二氧化硅配制的优质胶体电解质, 呈凝胶状、不流动, 无漏液及电解液分层现象;
  - 高强度 ABS 塑料壳体材料, 耐腐蚀、强度高;
  - 采用欧洲进口 AMER-SIL 公司专用胶体微孔 PVC-SiO<sub>2</sub> 隔板, 其隔板孔率大, 电阻低;
  - 特殊的安全阀结构, 合适的开、闭阀压力, 减少了水份的损失, 避免蓄电池外壳膨胀、破裂和电解液干涸现象;
  - 内嵌铜芯铅基极柱具有更大的电流承载能力与耐蚀性;
  - 采用特殊的密封结构, 凝胶电解质无渗漏, 使用安全、可靠;
  - 电池高、低温性能好, 适用恶劣环境温度范围内及高海拔环境中正常工作;
  - 自放电小, 可储存两年无需充电即可使用;
  - 循环耐久能力强;
  - 执行标准: GB/T 19638.1.2、IEC 60896-21/22、YD/T 1360-2005
- Nominal Voltage: 2V, 12V
  - Rated Capacity: 80Ah~3000Ah
  - Operating Temperature Range: -40~60°C
  - The design life is 20 years(2V),15 years (12V)
  - Multi-element alloy die-casting molding tubular positive plate, which can effectively prevent active materials loss, good corrosion resistance and long life.
  - Using high quality gel electrolyte by imported gel amorphous silica, gel electrolyte, no layering and no leakage phenomenon.
  - High strength ABS container materials, corrosion resistance and high quality.
  - Using Europe imported AMER-SIL Company specialized gel microporosity PVC-SiO<sub>2</sub> separator, large aperture ratio, low resistance.
  - Unique safe valve structure, suitable switch pressure, reduce the loss of water, avoid the battery container inflation, broken and electrolyte dry-out.
  - Embedded copper die-casting lead-based terminals have more current carrying capacity and corrosion resistance.
  - Using special sealed structure, gel electrolyte without penetration ensure safe and reliable work.
  - Batteries have good performance in both low and high temperature, adapting to wide-range temperature and high altitude hard environment working.
  - Low self-discharge, it can work after storage without charge for two years.
  - High ability and quality for cycle use.
  - Standard:GB/T 19638.1.2,IEC 60896-21/22,YD/T 1360-2005

应用领域 : Application

- 核电站
- 发电厂、变电站开关操作系统
- 通信系统
- 电力系统
- 监测和控制系统
- 紧急照明系统
- 数据处理系统
- UPS 不间断电源系统
- 自动化系统
- 太阳能、风能储能系统



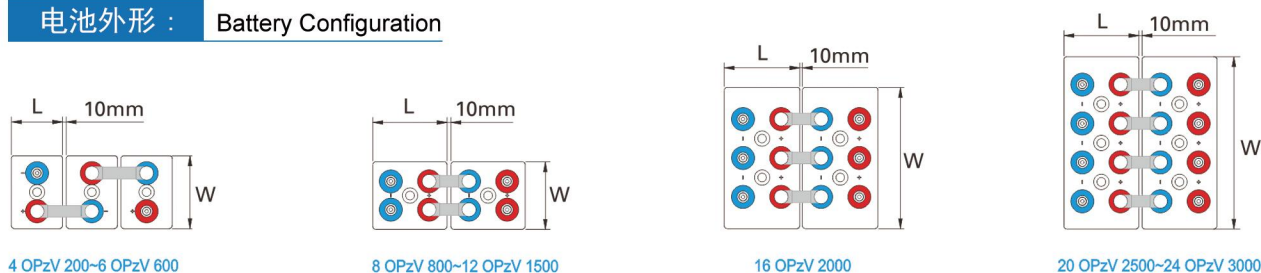
- Nuclear Power Station
- Switching operating system in power station
- Communication system
- Electric power system
- Monitoring and control system
- Emergency lighting system
- Data processing system
- UPS system
- Automation System
- Solar and Wind Energy Storage System

规格型号 : Specification Model

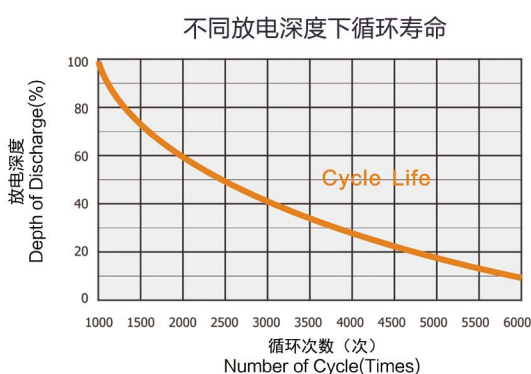
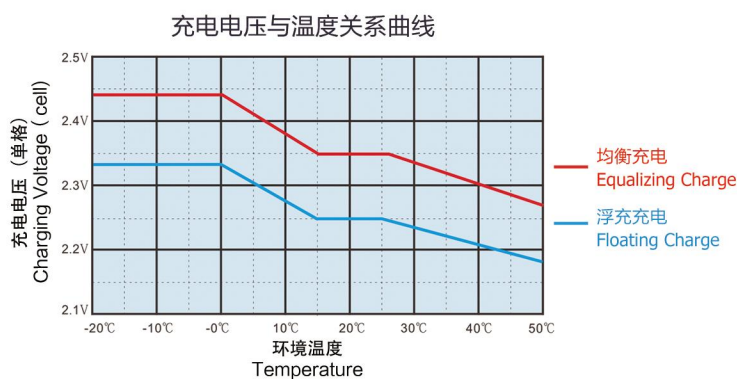
电池型号 Battery Type	额定电压 Rated Voltage	额定容量Rated Capacity	尺寸 Dimension			重量 Weight	端子类型Type
			长 Lenght	宽 Width	高 Height		
	V	Ah	mm	mm	mm	Kg	
OPzV12-80	12	80	328	172	222	30.5	M8
OPzV12-100	12	100	407	177	225	36.0	M8
OPzV12-120	12	120	483	170	240	44.7	M8
OPzV12-140	12	140	530	209	219	53.0	M8
OPzV12-160	12	160	530	209	219	57.5	M8
OPzV12-180	12	180	522	240	240	65.0	M8
OPzV12-200	12	200	520	268	225	73.0	M8
OPzV2-200	2	200	103	206	390	16.8	M8
OPzV2-250	2	250	124	206	390	20.5	M8
OPzV2-300	2	300	145	206	390	24.5	M8
OPzV2-350	2	350	124	206	506	28.5	M8
OPzV2-420	2	420	145	206	506	28.5	M8
OPzV2-490	2	490	166	206	506	38.5	M8
OPzV2-600	2	600	145	206	681	46.5	M8
OPzV2-770	2	770	210	254	506	56.0	M8
OPzV2-800	2	800	191	210	681	63.0	M8
OPzV2-1000	2	1000	233	210	681	77.0	M8
OPzV2-1200	2	1200	275	210	681	92.0	M8
OPzV2-1500	2	1500	275	210	831	110.0	M8
OPzV2-2000	2	2000	399	214	807	150.0	M8
OPzV2-2500	2	2500	487	212	807	190.0	M8
OPzV2-3000	2	3000	576	212	807	225.0	M8

注：更多规格请查询 [www.kweight.net](http://www.kweight.net) 或 [www.kweightpower.com](http://www.kweightpower.com)

电池外形 : Battery Configuration



电池曲线图 : Battery Characteristic Graph





## KWEIGHT TECHNOLOGY LTD

地址：中国·广东省深圳市龙岗区坂田街道天安云谷产业园二期 11 栋 1001  
Add: 1001, Building 11, Phase 2, Tianan Yungu Industrial Park, Bantian Street,  
Longgang District, Shenzhen.  
Tel: +86-755-8273 0552  
Fax: +86-755-8273 0578  
E-mail: [kweight@kweight.net](mailto:kweight@kweight.net)  
Website: [www.kweight.net](http://www.kweight.net)  
[www.kweightpower.com](http://www.kweightpower.com)