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# OPZV

OPZV SERIES

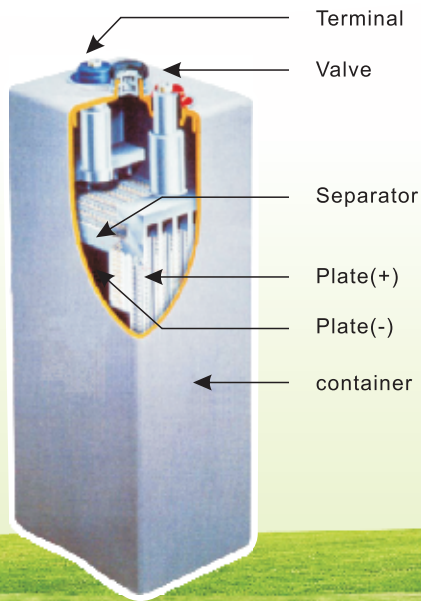
Tubular Plates with Gel Electrolyte Provides Super Strong Lifetime

No Leakage and Maintenance Free for Green Energy Saving





## Design and Materials



### Positive Plates :

Robust tubular plates consisting of Pb-Ca-Sn alloy, optimized for high corrosion resistance, offer an extreme high cycling expectancy

### Negative Plates :

Grid plate construction consisting of lead calcium alloy

### Separator :

Microporous and robust PVC-SiO<sub>2</sub> separator, for positive and negative plates and optimized for low internal resistance

### Container :

ABS (UL94-HB), Flammability resistance of UL94-V1 can be available upon request.

### Terminal Poles :

Screw connection for easy and safe assembly and maintenance-free connection with excellent conductivity

### Valves :

Release gas in case of excess pressure and protects the cell against atmosphere, reasonable open and close valve pressure, high reliable on performance.

Notes: Design of GEL Tubular Battery (Type of Maintenance-free)

GEL means with fumed silica keep electrolyte at colloid status, is not visible in the picture.



### Applications :

- ▶ Solar Energy & Wind Energy
- ▶ IT/ Telecommunications
- ▶ Electric Vehicle, Floor Machines, Marine, Touring Coach
- ▶ Power Storage Plant
- ▶ Uninterruptible Power Supplier/ UPS
- ▶ Security / Emergency lighting

### Applicable Standard :

- ◆ IEC60896-21/22-2004
- ◆ DIN43539-T5
- ◆ IEC61427-2005
- ◆ YD/T1360-2005
- ◆ GB/T 22473-2008

### Lifetime :

- ☆ Standby usage : > 20years
- ☆ Cyclic usage : 80% DOD, >2000cycles



Nasdaq Public Company

### Technical Characteristics

Model	Nominal Voltage V	Capacity-C10 1.80VpC @ 25°C Ah	Internal Resistance mΩ	Dimension L*W*H (TH) mm (+/-2 mm)	Weight kg	Terminal	Pole
OPzV2-200	2	200	0.60	103*206*355(390)	16.8	F10(M8)	1
OPzV2-250	2	250	0.57	124*206*355(390)	20.5	F10(M8)	1
OPzV2-300	2	300	0.55	145*206*355(390)	24.5	F10(M8)	1
OPzV2-350	2	350	0.42	124*206*471(506)	28.5	F10(M8)	1
OPzV2-420	2	420	0.38	145*206*471(506)	33.0	F10(M8)	1
OPzV2-490	2	490	0.35	166*206*471(506)	38.5	F10(M8)	1
OPzV2-600	2	600	0.33	145*206*646(681)	46.5	F10(M8)	1
OPzV2-770	2	770	0.31	210*254*471(506)	56.0	F10(M8)	1
OPzV2-800	2	800	0.30	191*210*646(681)	63.0	F10(M8)	2
OPzV2-1000	2	1000	0.27	233*210*646(681)	77.0	F10(M8)	2
OPzV2-1200	2	1200	0.25	275*210*646(681)	92.0	F10(M8)	2
OPzV2-1500	2	1500	0.23	275*210*796(831)	110.0	F10(M8)	2
OPzV2-2000	2	2000	0.22	399*214*772(807)	150.0	F10(M8)	3
OPzV2-2500	2	2500	0.20	487*212*772(807)	190.0	F10(M8)	4
OPzV2-3000	2	3000	0.19	576*212*772(807)	225.0	F10(M8)	4
OPzV12-45	12	45	13.0	260*169*210(215)	18.50	F11(M6)	2
OPzV12-60	12	60	12.0	260*169*210(215)	23.00	F11(M6)	2
OPzV12-80	12	80	10.0	328*172*222(227)	30.00	F12(M8)	2
OPzV12-100	12	100	8.00	407*177*225(225)	36.00	F12(M8)	2
OPzV12-120	12	120	7.50	483*170*240(240)	45.90	F12(M8)	2
OPzV12-140	12	140	7.00	530*209*214(219)	53.50	F12(M8)	2
OPzV12-160	12	160	6.50	530*209*214(219)	57.00	F12(M8)	2
OPzV12-180	12	180	6.00	522*240*219(240)	66.50	F10(M10)	2
OPzV12-200	12	200	5.00	520*268*220(225)	73.00	F14(M8)	2

### Drawing With Terminal Position

