

OPzV TUBULAR GEL BATTERY

- > Voltage: 2V, 12V
- > Capacity: upto 2V3000Ah, 12V200Ah
- > Designed floating service life: 20 years @25°C/77°F
- > Cyclic usage: 80% DOD, >2000 cycles

SUMMARY

By combining the newly developed tubular positive plates with fumed gelled electrolyte, CSPower created the innovative OPzV range of batteries. The range offers 20 years design life and very high deep cycling capabilities. This range is recommended for telecom outdoor applications, renewable energy systems and other harsh environment applications.

FEATURES AND BENEFITS

- 20 years design life at floating condition @ 25°C
- Wide operating temperature range from -40°C to 60°C
- Tubular positive plate with prolonged cycle life
- Fumed Silica gel electrolyte
- Lead Calcium die cast grid with improved corrosion resistance capability
- Low self-discharge rate and long shelf life
- Excellent deep discharge recovery capability

APPLICATIONS

- Security Systems
- Telecom
- Electric Utilities
- UPS systems
- Control Equipments
- Photovoltaic Systems
- Medical Equipments
- Renewable Energy System



CONSTRUCTION

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-SiO₂ 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.

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Net Weight (kgs)	Gross Weight (kgs)	Terminal
			Length	Width	Height	Total Height			
OPzV2-200	2	200	103	206	356	389	18	19	M8/10
OPzV2-250	2	250	124	206	356	389	21.5	22.5	M8/10
OPzV2-300	2	300	145	206	356	389	25	26	M8/10
OPzV2-350	2	350	124	206	473	505	27	28	M8/10
OPzV2-420	2	420	145	206	473	505	31.5	32.5	M8/10
OPzV2-500	2	500	166	206	473	505	36.5	37.5	M8/10
OPzV2-600	2	600	145	206	646	678	45	46	M8/10
OPzV2-800	2	800	191	210	646	678	60	61	M8/10
OPzV2-1000	2	1000	233	210	646	678	72.5	73.5	M8/10
OPzV2-1200	2	1200	275	210	646	678	87	88	M8/10
OPzV2-1500	2	1500	275	210	795	827	105.5	106.5	M8/10
OPzV2-2000	2	2000	399	214	772	806	142.5	143.5	M8/10
OPzV2-2500	2	2500	487	212	772	806	176.5	177.5	M8/10
OPzV2-3000	2	3000	576	212	772	806	212	213	M8/10
OPzV12-100	12	100	407	175	235	235	36	37	M8
OPzV12-150	12	150	532	210	217	217	53	54	M8
OPzV12-200	12	200	498	259	238	238	70	71	M8

OPzS FLOODED TUBULAR BATTERY

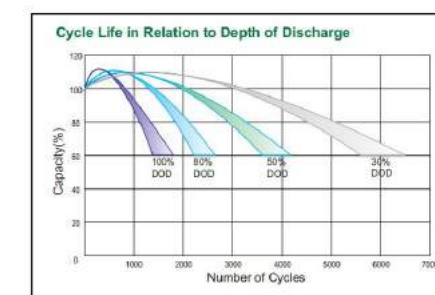
- > Voltage: 2V
- > Capacity: upto 2V3000Ah
- > Cyclic usage: 80% DOD, >2500 cycles

SUMMARY

Classic OPzS batteries have been proven energy suppliers for decades, which convince in robustness, reliability and extremely long design- or cycle life. OPzS is a flooded Lead Acid battery that adopts Tubular Plate technology to offer high reliability and performance. OPzS is designed and manufactured according to DIN40736-2/IEC60896-11 standards and with die-casting positive spine and patent formula of active material. OPzS series batteries offer 400% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, traction etc. OPzS series is the best choice for energy system in high altitude area.

FEATURES AND BENEFITS

- It can discharge at -40°C-70°C, Charge at 0-50°C
- Long life expectancy of 20+ years in floating condition
- Adopts quality silicon nano gel electrolyte
- Excellent deep discharge recovery capability
- Deep cycle performance: up to 3000 cycles
- Tubular positive plate with prolonged cycle life



APPLICATIONS

- Security Systems
- Telecom
- Electric Utilities
- UPS systems
- Control Equipments
- Photovoltaic Systems
- Medical Equipments
- Renewable Energy System

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Dry Weight (kgs)	Wet Weight (kgs)	Terminal
			Length	Width	Height	Total Height			
OPzS2-200	2	200	103	206	355	410	12.8	17.5	M8/10
OPzS2-250	2	250	124	206	355	410	15.1	20.5	M8/10
OPzS2-300	2	300	145	206	355	410	17.5	24	M8/10
OPzS2-350	2	350	124	206	471	526	19.8	27	M8/10
OPzS2-420	2	420	145	206	471	526	23	32	M8/10
OPzS2-500	2	500	166	206	471	526	26.2	38	M8/10
OPzS2-600	2	600	145	206	646	701	32.6	47	M8/10
OPzS2-800	2	800	191	210	646	701	45	64	M8/10
OPzS2-1000	2	1000	233	210	646	701	54	78	M8/10
OPzS2-1200	2	1200	275	210	646	701	63.6	92	M8/10
OPzS2-1500	2	1500	275	210	773	828	81.7	112	M8/10
OPzS2-2000	2	2000	399	210	773	828	119.5	150	M8/10
OPzS2-2500	2	2500	487	212	771	826	152	204	M8/10
OPzS2-3000	2	3000	576	212	772	806	170	230	M8/10