

OPzV SERIES OPzV TUBULAR GEL BATTERY

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



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

1. 20 years design life at floating condition @ 25°C
2. Wide operating temperature range from -40°C to 60°C
3. Tubular positive plate with prolonged cycle life
4. Fumed Silica gel electrolyte
5. Lead Calcium die cast grid with improved corrosion resistance capability
6. Low self-discharge rate and long shelf life
7. 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.

CSPOWER MODEL	Voltage (V)	Capacity (AH)	Battery Dimension				Weight Kg (± 3%)	Terminal Type
			Length mm	Width mm	Height mm	Total Height mm		
OPzV2-200	2	200	103	206	354	380	18	M8
OPzV2-250	2	250	124	206	354	380	23	M8
OPzV2-300	2	300	145	206	354	380	25	M8
OPzV2-350	2	350	124	206	470	496	28	M8
OPzV2-420	2	420	145	206	470	496	32	M8
OPzV2-500	2	500	166	206	470	496	38	M8
OPzV2-600	2	600	145	206	645	671	46	M8
OPzV2-800	2	800	191	210	645	671	65	M8
OPzV2-1000	2	1000	233	210	645	671	74	M8
OPzV2-1200	2	1200	275	210	645	671	93	M8
OPzV2-1500	2	1500	275	210	795	821	112	M8
OPzV2-2000	2	2000	399	212	772	797	152	M8
OPzV2-2500	2	2500	487	212	772	797	187	M8
OPzV2-3000	2	3000	576	212	772	797	225	M8

Products will be improved without notice, please contact sales for specification in kind prevail.

SMALL CAPACITY SEALED LEAD ACID AGM BATTERY

Voltage: 6V, 12V
 Capacity: upto 6V12Ah, 12V12Ah



Designed floating service life: 3-5 years @ 25 °C/77 °F.

SUMMARY

CSPOWER CS series small capacity sealed free maintenance lead acid batteries are designed with AGM technology, high performance plates and electrolyte to gain extra power output for common power backup system applications widely used in the fields of UPS, Security and Emergency lighting system.

They are sealed and free maintenance whole life, valve regulated type standby AGM battery, also named by VRLA battery, SLA battery, and SMF battery.

ADVANTAGES

1. Sealed and maintenance free operation.
2. Non-Spillable construction design.
3. Safety valve installation for explosion proof.
4. 99.99% pure lead plates ensure high quality and high reliability.
5. Low self discharge 3% per month.
6. Long life span 3-5 years for backup use.
7. Using oxygen recombination technology: maintenance-free.
8. Pb-Ca-Sn alloy for plate grids: less gassing and less self-discharging.
9. High quality AGM separator: extend cycle life and prevents micro short circuit.
10. Flame-resistance ABS material: increases the strength of battery container.
11. Silver-coated copper terminals, brass insert terminals and lead terminals improve the electric conductivity.

APPLICATIONS

UPS, Electronic toys, Emergency, Security, Alarm, Lights, Power tools, Electronic scale, Video, standby equipment etc.

CSPOWER MODEL	Voltage (V)	Capacity (Ah)	Battery Dimension (mm)				Weight kg(±3%)	Terminal
			Length	Width	Height	Total Height		
CS6-4.0	6	4	70	47	101	107	0.7	F1/F2/CUT
CS6-4.5	6	4.5	70	47	101	107	0.75	F1/F2/CUT
CS6-5	6	5	70	47	101	107	0.8	F1/F2
CS6-7.0	6	7	151	34	95	101	1.15	F1/F2
CS6-10	6	10	151	50	94	100	1.6	F1/F2
CS6-12	6	12	151	50	94	100	1.75	F1/F2
CS12-4	12	4	90	70	101	107	1.35	F1/F2
CS12-4.5	12	4.5	90	70	101	107	1.48	F1/F2
CS12-5	12	5	90	70	101	107	1.58	F1/F2
CS12-6.5	12	6.5	151	65	94	100	1.9	F1/F2
CS12-7.0	12	7	151	65	94	100	2.05	F1/F2
CS12-7.2	12	7.2	151	65	94	100	2.15	F1/F2
CS12-7.5	12	7.5	151	65	94	100	2.2	F1/F2
CS12-9	12	9	151	65	94	100	2.4	F1/F2
CS12-10	12	10	152	99	96	102	3.2	F1/F2
CS12-12	12	12	152	99	96	102	3.5	F1/F2