



CPVD series

1.0 Structural Characteristics

- The battery electrolyte contains fumed silica and there is no flow, no leakage nor gradation of sulphuric acid. the battery can be put horizontally or vertically. There is no risk of leakage during the utilization and transportation, and it is safe and reliable.
- Excessive gel electrolyte used in the battery, so it has large heat capacity and good radiation performance, will not generate thermal runaway, thus enable it to work under severe environment.
- Tubular positive plate: The skeleton of positive plate is shaped through die-casting with Pb-Ca alloy, adopts parallel terylene tube structure, can effectively prevent the active material from falling off, and has a good property of anti-corrosion, The pasted negative plate with grid in radial structure, and unique lead paste formula, is favorable for improving the utilization rate of active materials and is favorable for discharging at large current. All above ensure battery with such good properties as Perfect recovery performance of battery recharging after deep discharge; Excellent cycle and duration performance, Sufficient capacity , Long life and so forth.
- Adopt PVC-SiO₂ separator with tiny holes produced by European AMER-SIL Co., specially for gel battery. This separator features high porosity, low internal resistance, contributes to low internal resistance of battery.
- The valve will reliably open and close at a constant pressure, so it prevent the battery case from swelling, breaking, and electrolyte from drying out.
- The ABS case an lids are imported from Italy, sealing resin imported from Germany, thus prevent battery from electrolyte leakage or air penetration.

2.0 Product Application



- Backup power supply for UPS and emergency illumination, communication and signal systems as in industries of railway , telecommunication, mobile communications, etc.,



- DC power supply and backup power supply in electricity utility and nuclear power stations, energy storage system for solar/wind generated power.

Model	Nominal Voltage (V)	Nominal Capacity (Ah)	Dimensions (mm/inch)				Weight	Output structure size
			Length	Width	Height	Total height		
			mm/inch	mm/inch	mm/inch	mm/inch	Kg	
CPVD(OPzV)-200	2	200	103/4.06	206/8.11	354/13.94	380/14.96	20.0/44.0	
CPVD(OPzV)-250	2	250	124/4.88	206/8.11	354/13.94	380/14.96	24.0/52.8	
CPVD(OPzV)-300	2	300	145/5.71	206/8.11	354/13.94	380/14.96	29.0/63.8	
CPVD(OPzV)-350	2	350	124/4.88	206/8.11	470/18.50	496/19.53	31.0/68.2	
CPVD(OPzV)-420	2	420	145/5.71	206/8.11	470/18.50	496/19.53	36.0/79.2	
CPVD(OPzV)-500	2	500	166/6.54	206/8.11	470/18.50	496/19.53	42.0/92.4	
CPVD(OPzV)-600	2	600	145/5.71	206/8.11	645/25.40	671/26.42	50.0/110	
CPVD(OPzV)-630	2	630	225/8.86	206/8.11	470/18.50	496/19.53	53.5/117.7	M10 Screwed hole output
CPVD(OPzV)-700	2	700	225/8.86	206/8.1	470/18.50	496/19.53	59.5/130.9	
CPVD(OPzV)-770	2	770	225/8.86	206/8.11	470/18.50	496/19.53	65.5/144.1	
CPVD(OPzV)-800	2	800	191/7.52	210/8.27	645/25.40	671/26.42	68.0/149.6	
CPVD(OPzV)-1000	2	1000	233/9.17	210/8.27	645/25.40	671/26.42	82.0/180.4	
CPVD(OPzV)-1200	2	1200	275/10.83	210/8.27	645/25.40	671/26.42	97.0/213.4	
CPVD(OPzV)-1500	2	1500	275/10.83	210/8.27	795/31.30	821/32.32	120/264.0	
CPVD(OPzV)-2000	2	2000	399/15.71	212/8.35	772/30.40	797/31.38	160/352	
CPVD(OPzV)-2500	2	2500	487/19.17	212/8.35	772/30.40	797/31.38	200/440	
CPVD(OPzV)-3000	2	3000	575/22.64	212/8.35	771/30.40	797/31.38	240/528	

NOTES:

- For technical battery including discharge specifications please contact us.
- For terminal information please refer to ICT Power Terminal Guide