



OPzV Series

Summary

OPzV series is Valve Regulated Lead Acid battery adopting immobilised GEL and Tubular Plate technology, offering high reliability and stable performance. The OPzV series is designed and manufactured according to DIN standards, with die-casted positive grid and patented active material formula, they exceed the DIN standard values. They offer 20 years design life in float service at 25°C and are more suitable for cyclic use under extreme operating conditions.

Suitable for power supply in telecommunication, photovoltaic / wind energy storage and UPS applications.

Product Features

- Capacity range: 100Ah-3000Ah
- Voltage : 2V
- Floating design life (25°C): 20 years (2V)
- Cycle life : 5500 at 30% DOD (2V)
4800 at 30% DOD (12V)
- Self discharge rate ≤ 2%/month;
- High charge acceptance performance;
- Wide operation temperature: -40°C~60°C
- Good deep discharge recovery performance.
- Electrolyte: gel electrolyte uses imported silica, special techniques make it in a gel immobilized state, safer than AGM type battery; special additives make it very stable, lower internal resistance and no stratification;
- Positive plate: tubular type, with die-casting thick Pb-Ca grid; it has very good corrosion resistance and a very long service life;
- Negative plate: pasted flat type, radial grid design, good high rate discharge performance;
- Separator: PVC-SiO₂ separator imported from Europe, low internal resistance, high pore rate and long life;
- Flooded electrolyte design: contain more electrolyte like a flooded battery, space between plates and separators is full of electrolyte thus means good heating capacity and avoid "thermal runaway";
- Safety valves: good sensitivity, safe and reliable, equipped with double flame arrester/acid filter;
- Battery case: made of high strength ABS and durable design.

Application

- Telecommunication
- Photovoltaic / Wind Energy
- UPS
- Power Storage Plant
- Military

Compliant Standards

- IEC60896-21/22- 2004
- DIN43539-T5
- IEC61427-2005
- YD/T1360-2005
- GB/T 22473-2008
- Passed ISO9001, ISO14001, OHSAS18001, UL, CE certificate

Main Parameters

CSPOWER MODEL	Voltage	Capacity	Dimension (mm)				Weight (kg)	Terminal
	(V)	(Ah)	L	W	H	TH	(±3%)	
OPzV2-200	2	200/10HR	103	206	356	389	18	M10
OPzV2-250	2	250/10HR	124	206	356	389	22.5	M10
OPzV2-300	2	300/10HR	145	206	356	389	25	M10
OPzV2-350	2	350/10HR	124	206	473	505	28	M10
OPzV2-420	2	420/10HR	145	206	473	505	32	M10
OPzV2-500	2	500/10HR	166	206	473	505	38	M10
OPzV2-600	2	600/10HR	145	206	646	678	46	M10
OPzV2-800	2	800/10HR	191	210	646	678	65	M10
OPzV2-1000	2	1000/10HR	233	210	646	678	74	M10
OPzV2-1200	2	1200/10HR	275	210	646	678	91	M10
OPzV2-1500	2	1500/10HR	275	210	795	827	112	M10
OPzV2-2000	2	2000/10HR	399	212	770	802	153	M10
OPzV2-2500	2	2500/10HR	487	212	770	802	187	M10
OPzV2-3000	2	3000/10HR	576	212	770	802	225	M10