

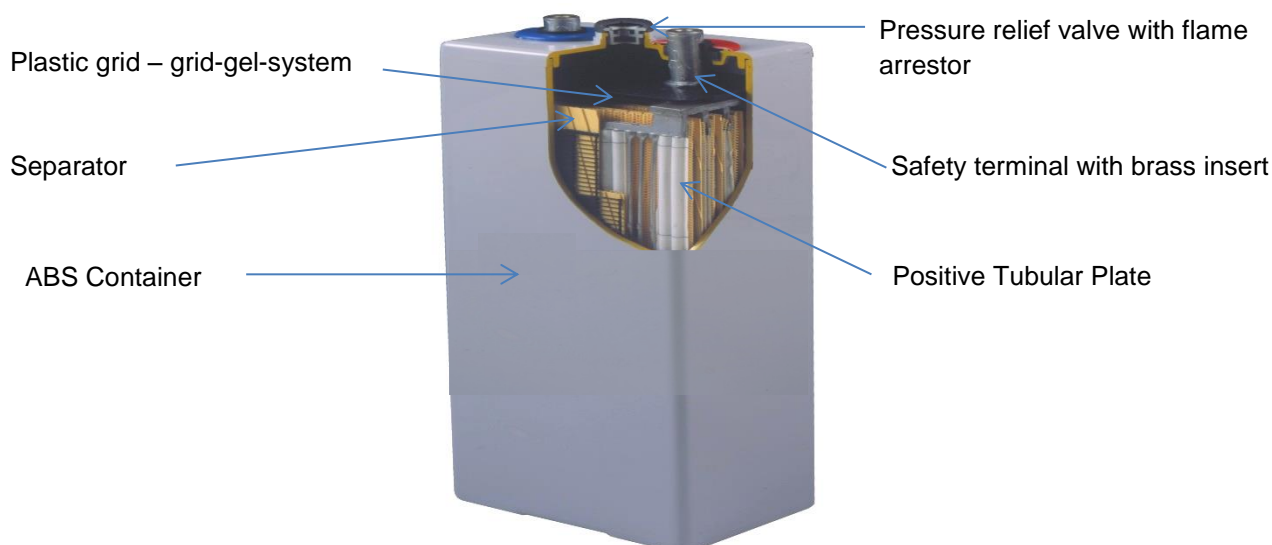
## Batteries of OPzV range offer the following benefits:

- Long lifetime – up to 20 years @ 20°C
- Excellent deep discharge recovery and cyclability
- Optimised for low rate applications where the discharge duration is one hour or more
- Very good cycle life – 8500 cycles at 20 % DoD
- Low self-discharge - <3% per months @ 20°C
- Maintenance free - >95% recombination rate
- Compliant to DIN 40742, IEC 60896-21, IEC 61427 & DIN 43539-5

OPzV Batteries are perfectly suited for all stationary standby energy storage applications and leading the market in Renewable Energy Storage, Power and Utilities, Telecom, UPS and Oil and Gas applications

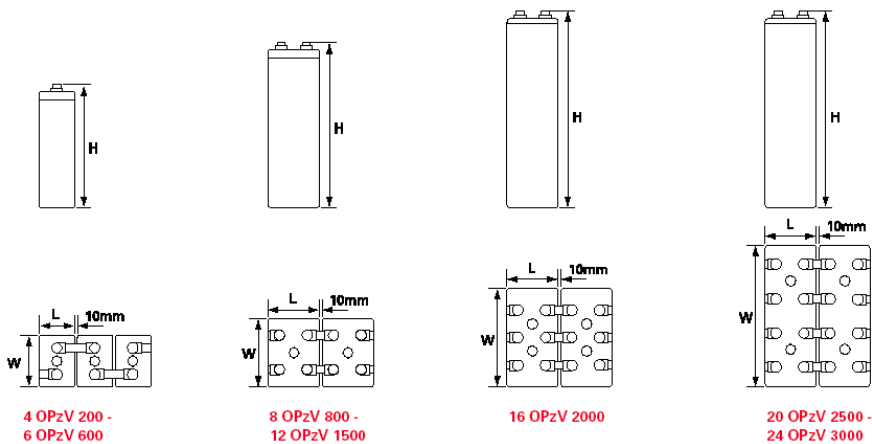
## Construction

- Thick tubular positive plate design with special lead-tin-calcium alloy
- Pasted negative plates with lead-calcium alloy grid
- Low resistance microporous separators
- Thick ABS containers and lids (UL94 V-0 flame retardant ABS available as an option) provide high resistance to shocks
- a special two-part resin is used to seal boxes and lids
- Electrolyte: sulphuric acid, immobilised as a gel
- High integrity pillar seal
- Pressure relief valve with flame arrestor



### Technical Data

No.	Block Type/ Cell Type	Nominal Voltage	Capacity @ 20°C					Short Circuit Current	Internal Resistance	Lengths	Width	Height	Weight	
			C <sub>10</sub> (1)	C <sub>24</sub>	C <sub>50</sub>	C <sub>100</sub>	C <sub>nom</sub> (1)							With Electrolyte +/-5%
			U <sub>e</sub> =	U <sub>e</sub> =	U <sub>e</sub> =	U <sub>e</sub> =	U <sub>e</sub> =							
			1,80 V/Z	1,83V/Z	1,85V/Z	1,85V/Z	1,80V/Z							
[V]	[Ah]					[A]	(mOhm)	[mm]			[kg]			
1	12V 1 OPzV 50	12	51	58	65	70	50	620	19,80	272	205	371	43	
2	12V 2 OPzV 100	12	102	117	124	129	100	1240	9,90	272	205	371	52	
3	12V 3 OPzV 150	12	153	175	189	200	150	1720	7,08	380	205	371	72	
4	6V 4 OPzV 200	6	206	236	254	269	200	2260	2,70	272	205	371	48	
5	6V 5 OPzV 250	6	257	294	317	336	250	2740	2,22	380	205	371	63	
6	6V 6 OPzV 300	6	309	353	382	404	300	3220	1,89	380	205	371	70	
7	4 OPzV 200	2	211	241	261	276	200	2300	0,88	103	206	382	20	
8	5OPzV 250	2	263	301	325	344	250	2860	0,71	124	206	382	24	
9	6OPzV 300	2	313	358	387	409	300	3380	0,60	145	206	382	28	
10	5 OPzV 350	2	369	422	456	482	350	3380	0,60	124	206	498	31	
11	6 OPzV 420	2	448	512	553	586	400	3980	0,51	145	206	498	37	
12	7 OPzV 490	2	523	598	646	684	490	4520	0,45	166	206	498	42	
13	6 OPzV 600	2	680	778	840	889	600	4360	0,47	145	206	673	50	
14	8 OPzV 800	2	904	1034	1117	1182	800	5980	0,34	191	210	673	68	
15	10 OPzV 1000	2	1130	1292	1396	1477	1000	7380	0,28	233	210	673	82	
16	12 OPzV 1200	2	1366	1562	1687	1786	1200	8640	0,24	275	210	673	97	
17	12 OPzV 1500	2	1609	1840	1988	2103	1500	9440	0,22	275	210	824	120	
18	16 OPzV 2000	2	2176	2489	2688	2844	2000	12680	0,16	399	214	799	165	
19	20 OPzV 2500	2	2684	3070	3316	3508	2500	16240	0,13	487	212	799	200	
20	24 OPzV 3000	2	3222	3685	3980	4212	3000	18460	0,11	576	212	799	240	



- (1) Nominal capacity C<sub>nom</sub> and I<sub>nom</sub> – Capacity C<sub>10</sub> and current I<sub>10</sub> as per DIN 40736
- (2) Capacity C<sub>10</sub> after 10th cycle

