

TAB OPzV BATTERIES

TAB OPzV range of valve regulated lead acid stationary batteries combine the benefits of recombination technology (i. e. virtually no maintenance due to very low gas emissions) plus the advantages of conventional vented batteries with positive tubular plates (i. e. long life and excellent cycling capability).

TAB OPzV VALVE REGULATED LEAD ACID BATTERIES ARE THE IDEAL ENERGY SOURCE FOR MANY DIFFERENT STANDBY APPLICATIONS.



DESIGN

- TUBULAR POSITIVE PLATES**
- Special grid construction, pressure cast from antimony free alloy, with highly porous gauntlets that retain the active material
- PASTED NEGATIVE PLATES**
- Service lives consistent with the positive plates
- ELECTROLYTE**
- Gel structure
- SEPARATORS**
- Extremely high porosity and low internal resistance
- CONTAINERS AND LIDS**
- Made of plastic (ABS) material. Also available in ABS flame retardant material as an option (according to IEC 707 FV0)
- TERMINALS**
- Female treated terminal (M10) perfect contact and low resistance with flexible cable connectors
- POST SEALS**
- Prevents electrolyte leakage and terminal corrosion
- CONNECTORS**
- Flexible, fully insulated cable connectors screwed (with 20 ± 1 Nm) to the terminal with an insulated screw having a probe hole on the top for electrical measurement
- ONE WAY RELIEF VALVE**
- Opens at low pressure

INSTALLATION

CELLS ARE NORMALLY INSTALLED IN AN UPRIGHT POSITION ON STEEL STANDS

CHARGING

- FLOAT VOLTAGE**
- Standby use 2.25 V/cell
- BOOST RECHARGE**
- Maximum voltage of 2.35 - 2.40 V/cell with a maximum current of 0.25 C10 (A)

OPERATIONAL DATA

- OPERATIONAL LIFE**
- Up to 20 years
- IEC 896-1 CYCLES**
- 1200
- SELF-DISCHARGE**
- Approx. 2 % per month at 20 °C
- TESTS ACCORDING**
- IEC 896-1, EN 60896-1, EN 61427

DIN 40742	Capacity (Ah at 20 °C)					Weight kg	Dimensions (mm)			Isc (A)	Ri (mΩ)	N° of Poles
	Nomin. Cap.	10 h to 1,8 VPC	5 h to 1,77 VPC	3 h to 1,75 VPC	1 h to 1,67 VPC		L	W	H1/H2			
4 OPzV 200	200	204	172	150	106	19	103	206	354/380	1660	1,22	2
5 OPzV 250	250	255	215	188	133	23	124	206	354/380	2080	0,98	2
6 OPzV 300	300	306	258	225	159	28	145	206	354/380	2490	0,85	2
5 OPzV 350	350	357	300	263	185	31	124	206	471/496	2770	0,75	2
6 OPzV 420	420	429	360	315	222	36	145	206	471/496	3350	0,61	2
7 OPzV 490	490	500	420	368	259	41	166	206	471/496	3900	0,52	2
6 OPzV 600	600	612	516	450	312	49	145	206	643/668	4060	0,51	2
8 OPzV 800	800	816	688	600	416	65	210	191	644/669	5390	0,38	4
10 OPzV 1000	1000	1020	860	750	520	80	210	233	646/671	6760	0,30	4
12 OPzV 1200	1200	1251	1032	900	624	93	210	275	645/670	8120	0,26	4
12 OPzV 1500	1500	1530	1260	1116	744	115	210	275	796/821	8810	0,23	4
16 OPzV 2000	2000	2040	1680	1488	992	155	214	399	771/796	11510	0,17	6
20 OPzV 2500	2500	2550	2100	1860	1240	200	214	487	769/794	14400	0,14	8
24 OPzV 3000	3000	3060	2520	2232	1488	235	214	576	771/796	17260	0,12	8

According to DIN 40742, IEC 60896-2

FEATURES

- SAFE
- VERSATILE
- RELIABLE
- MINIMAL GASSING
- DEEP DISCHARGE RESISTANCE

