

# TAB OPzV

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

TAB OPzV 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).



The stationary batteries of the type OPzV are manufactured according to DIN 40742, EN 61427 and IEC 60896-1 regulations.

## 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  $20 \pm 1$  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 and is fitted with a flame arrestor device

## 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

» More than 15 years

### IEC 896-1 CYCLES

» 1200

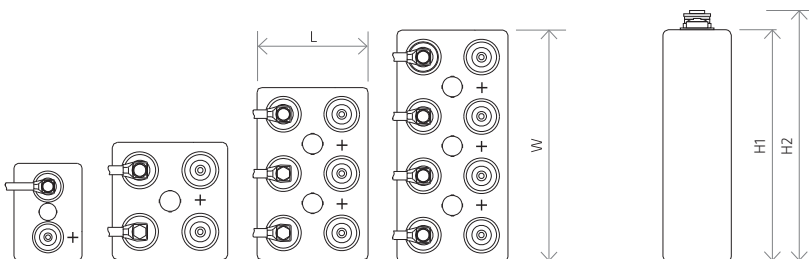
### SELF-DISCHARGE

» Approx. 2 % per month at 20 °C

### TESTS ACCORDING

» IEC 896-1, EN 60896-1, EN 61427

CELL TYPE	IEC 896-1		Dimensions (mm) L×W×H1/H2	Weight (kg)	C10 (Ah)	C24 (Ah)	C48 (Ah)	C72 (Ah)	C100 (Ah)	C120 (Ah)	C240 (Ah)	№ of poles
	Ri (mΩ)	Isc (kA)			Uf=1,80V at 20°C	Uf=1,85V at 25°C	Uf=1,85V at 25°C	Uf=1,85V at 25°C	Uf=1,85V at 25°C	Uf=1,85V at 25°C	Uf=1,85V at 25°C	
4 OPzV 200	1,22	1660	103×206×354/380	19	204	220	233	239	243	245	249	2
5 OPzV 250	0,98	2080	124×206×354/380	23	255	275	291	298	303	306	311	2
6 OPzV 300	0,85	2490	145×206×354/380	28	306	330	349	358	364	367	373	2
5 OPzV 350	0,75	2770	124×206×471/496	31	357	386	407	418	425	428	436	2
6 OPzV 420	0,61	3350	145×206×471/496	36	429	463	489	502	511	515	523	2
7 OPzV 490	0,52	3900	166×206×471/496	41	500	540	570	585	595	600	610	2
6 OPzV 600	0,51	4060	145×206×643/688	49	612	661	698	716	728	734	747	2
8 OPzV 800	0,38	5390	210×191×664/669	65	816	881	930	955	971	979	996	4
10 OPzV 1000	0,3	6760	210×233×646/671	80	1020	1102	1163	1193	1214	1224	1244	4
12 OPzV 1200	0,26	8120	210×275×665/670	93	1251	1351	1426	1464	1489	1501	1526	4
12 OPzV 1500	0,23	8810	210×275×796/281	115	1530	1652	1744	1790	1821	1836	1867	4
16 OPzV 2000	0,17	11510	214×399×771/796	155	2040	2203	2326	2387	2428	2448	2489	6
20 OPzV 2500	0,14	14400	214×487×769/794	200	2550	2754	2907	2984	3035	3060	3111	8
24 OPzV 3000	0,12	17260	214×576×771/796	235	3060	3305	3488	3580	3641	3672	3733	8



## FEATURES

- » SAFE
- » LONG LIFE
- » VERSATILE
- » RELIABLE
- » MINIMAL GASSING
- » DEEP DISCHARGE RESISTANCE