



OPzS

range



The FIAMM OpzS is a battery which can be used for both stand-by operation and repeated charging and discharging applications, in other words as a deep-cycle battery.

As a stand-by battery it remains connected in parallel to the devices, on permanent trickle charge. Thus it is always ready for use, and is only discharged when the main electricity supply fails.

The FIAMM OPzS battery can be used in stand-by operation wherever medium or small currents are required over average times ranging from an hour up to several hours.

TECHNICAL CHARACTERISTICS

- ▶ **Positive electrode** is a tubular plate with low antimony lead alloy to reduce frequency of topping-up intervals. The design of this tubular plate offers a very strong plate with long life and high performance.
- ▶ **Negative electrode** is pasted grid plate.
- ▶ **Electrolyte** high quality electrolyte with distilled water to the correct sp. gravity with a density of 1.24 ± 0.01 Kg/l at 20°C is used.
- ▶ **Separators** are made of high microporous material.
- ▶ **Containers** are of a clear, impact and acid resistant plastic (SAN).
- ▶ **Vents:** there are flame retarding ceramic plugs that filter out any drops of electrolyte from the escaping gases.
- ▶ **Terminals:** the new terminal design assures a very reliable selling in the area of the post pillar to revoid escape of acid card pole corrosion.

APPLICATIONS

- ▶ Telecommunications
- ▶ Emergency lighting
- ▶ Safety and monitoring system
- ▶ Power distributor
- ▶ Photovoltaic and wind powered generators
- ▶ Central office

APPLICABLE STANDARDS

- ▶ DIN 40736 part 1
- ▶ IEC 896 part 1



PRODUCT FEATURES

- ▶ Safety
- ▶ Economical
- ▶ Versatile
- ▶ Reliable
- ▶ Long life
- ▶ Low maintenance

Industrial Standby Batteries



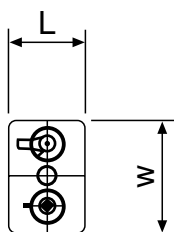
OPzS range

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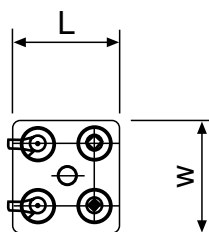
EQUIVALENT DIN TYPE	CELL TYPE	NOMINAL CAPACITY in Ah at 20°C				WEIGHT (Kg.) with electrolyte	WEIGHT (Kg.) Q.ty electrolyte	DIMENSIONS (mm)		
		10 hrs to 1.80 VPC	5 hrs to 1.77 VPC	3 hrs to 1.75 VPC	1 hr to 1.67 VPC			L	W	H
4 OPzS 200	SM 4	200	172	150	106	13,6	4,2	103	206	420
5 OPzS 250	SM 5	250	215	187,5	132,5	21,8	5,6	124	206	420
6 OPzS 300	SM 6	300	258	225	159	25,4	6,4	145	206	420
5 OPzS 350	SMA 5	350	300	262,5	185	30	7,3	124	206	536
6 OPzS 420	SMA 6	420	360	315	222	35,1	8,6	145	206	536
7 OPzS 490	SMA 7	490	420	367,5	259	40,1	9,6	166	206	536
6 OPzS 600	SMZ 6	600	516	450	312	47,5	12,5	145	206	711
8 OPzS 800	SMZ 8	800	688	600	416	63,8	16,8	210	191	711
10 OPzS 1000	SMZ 10	1000	860	750	520	77	21	210	233	711
12 OPzS 1200	SMZ 12	1200	1032	900	624	90	25	210	275	711
12 OPzS 1500	SMZA 12	1500	1260	1116	744	113	28	210	275	861
16 OPzS 2000	SMZA 16	2000	1680	1488	992	156	40	214	399	837
20 OPzS 2500	SMZA 20	2500	2100	1860	1240	196	50	212	487	837
24 OPzS 3000	SMZA 24	3000	2520	2232	1488	229	63	212	576	837

ELECTRICAL CHARACTERISTICS

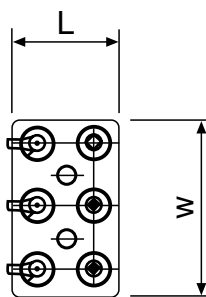
- ▶ **FLOATING VOLTAGE:** 2.23 V/cell 20°C
- ▶ **BOOST CHARGE:** 2.4 V/cell
- ▶ **SELF DISCHARGE:** < 2% a month at 20°C



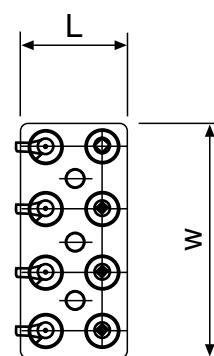
4 OPzS 200
5 OPzS 250
6 OPzS 300
5 OPzS 350
6 OPzS 420
7 OPzS 490
6 OPzS 600



8 OPzS 800
10 OPzS 1000
12 OPzS 1200
12 OPzS 1500



16 OPzS 2000



20 OPzS 2500
24 OPzS 3000



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