



OPzS block range



FIAMM's **OPzS block** battery range can be used in standby mode for long discharge rates or for cycling applications.

FIAMM has a program of continuous improvement investing in manufacturing processes, equipment and technology. FIAMM's Standby Battery manufacture is in compliance with ISO 9001 and ISO 14001 quality assurance standards. Our continuous investment in battery technology is reflected by means of premium products that are of the highest quality and reliability.

FIAMM's **OPzS block** tubular vented lead acid batteries are the ideal energy source for many different standby applications.

TECHNICAL FEATURES

- ▶ **Positive tubular** plates with low antimony alloy to reduce frequency of topping-up intervals. The plate design is mechanically strong and offers long life and high performance
- ▶ **Negative plates** are of the pasted grid type
- ▶ **Electrolyte:** high purity sulphuric acid solution with a specific gravity of 1.24 at 20°C
- ▶ **Separators** are made of high quality microporous material
- ▶ **Containers** are constructed of transparent, impact and acid resistant plastic (SAN)
- ▶ **Safety Vents:** cells incorporate flame retardant ceramic plugs that filter out any drops of electrolyte from the escaping gases preventing any errant spark or flame from entering the battery
- ▶ **Terminals:** female threaded terminal ensure perfect contact and a low resistance with the flexible cable connectors
- ▶ **Post seals:** special design to prevent electrolyte leakage and terminal corrosion

APPLICABLE STANDARDS

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



PRODUCT FEATURES

- ▶ Safe
- ▶ Reliable
- ▶ Long life
- ▶ Low maintenance

Standby Batteries



OPzS block range

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ELECTRICAL CHARACTERISTICS

- ▶ **NOMINAL VOLTAGE:** 6 and 12 Volt
- ▶ **FLOAT VOLTAGE AT 20°C:** 2.23 V/cell
- ▶ **BOOST RECHARGE:** 2.4 V/cell
- ▶ **SELF DISCHARGE:** < 2% a month at 20°C

CELL TYPE	NOMINAL CAPACITY Ah at 20°C 10 hrs to 1.80 VPC	INTERNAL RESISTANCE (mOhm / Block)	DIMENSIONS (mm)			WEIGHT (kg)		ELECTROLYTE (Litres)
			Length	Width	Height	with electrolyte	without electrolyte	
12V 1OPzS25	25	22.8	271	165	303	24.0	17.5	5.2
12V 2OPzS50	50	11.9	271	165	303	30.2	24.2	4.8
12V 2OPzS100	100	9.1	272	205	395	50.8	38.4	10
12V 3OPzS150	150	6.1	380	205	395	70.3	52.9	14
6V 4OPzS200	200	2.5	272	205	395	48.0	35.6	10
6V 5OPzS250	250	1.8	380	205	395	63.0	45.0	15
6V 6OPzS300	300	1.5	380	205	395	68.0	50.6	14

DISCHARGE DATA (A) TO 1.80 V/CELL AT 20°C

BATTERY TYPE	DISCHARGE TIME (minutes)							
	10	15	30	60	120	180	300	600
12V 1OPzS25	23	22	17	11.5	7.5	6.5	4	2.5
12V 2OPzS50	47	45	34	22.5	15	12	8.5	5
12V 2OPzS100	85	82.5	63	44.5	31	25	17.5	10
12V 3OPzS150	121	118	96	69	46	36	26	15
6V 4OPzS200	162	157	128	93	63	48	34	20
6V 5OPzS250	190	182	150	113	76	60	42	25
6V 6OPzS300	224	218	180	136	92	71	50	30

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