



The **MONOLITE** valve regulated lead-acid range is of the highest integrity and complies fully with the most stringent international specifications. Extensive testing and customer field experience since **MONOLITE's** inception during 1985 ensures ultimate reliability and offers the following benefits:

- ready for installation as delivered
- reduced maintenance
- no water addition
- no special ventilation required
- can be installed in office environments

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

**MONOLITE** valve regulated lead acid batteries are the ideal energy source for many different standby applications.

## TECHNICAL FEATURES

- ▶ **Plates and Grids:** extra-thick plates with grids cast from high purity Lead-Calcium-Tin alloy to ensure a long and reliable life
- ▶ **Separators:** microporous glass mats
- ▶ **Containers and Lids:** made from thick-walled ABS flame retardant plastic, designed for unsurpassed mechanical strength and in accordance with flame retardancy standard IEC 707 FV0 and UL 94 V0 (LOI greater than 28%). Lids are automatically heat-sealed to the containers
- ▶ **Terminals:** threaded post terminals with brass inserts allow high conductivity and maximum torque retention
- ▶ **Flame Arrestor Device:** expels excess gas while preventing any errant spark or flame from entering the battery
- ▶ **Handles:** most sizes have handles integrated into the battery covers to facilitate ease of handling, installation and removal of the batteries
- ▶ **Safety Valves:** Operate at low internal pressure
- ▶ **Remote Venting System:** an optional Remote Venting System (RVS) is available for applications, which require small amounts of gas (generated during normal operation) to be vented externally

## APPLICABLE STANDARDS

- ▶ Eurobat Guide - 12 years and longer "long life"
- ▶ Telcordia (Bellcore) TR-NWT-000766
- ▶ Telcordia (Bellcore) TR-NWT-000909
- ▶ British Standard BS 6290 Part 4
- ▶ British Standard 6334 method FV0
- ▶ IEC 60896 Part 21-22
- ▶ NEBS SR-4228
- ▶ UL Recognized



## PRODUCT FEATURES

- ▶ Safe
- ▶ Versatile
- ▶ Reliable
- ▶ Long life
- ▶ Valve Regulated



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**ELECTRICAL CHARACTERISTICS**

- ▶ **FLOAT VOLTAGE CHARGE AT 20°C:** 2.27 V/cell.
- ▶ **TEMPERATURE COMPENSATION:** -2.5 mV/°C.
- ▶ **SELF DISCHARGE AT 20°C:** <2% a month.

**FIAMM SLA range**

BATTERY TYPE	NOMINAL VOLTAGE (V)	NOMINAL CAPACITY (Ah) at 20°C 10 hrs to 1.80 VPC	SHORT CIRCUIT CURRENT (A) IEC 60896-21	DC INTERNAL RESISTANCE (mohm) IEC 60896-21	DIMENSIONS (mm)			WEIGHT (Kg)
					L	W	H	
12 SLA 25	12	25	1150	11	218	129	166	11
12 SLA 30	12	30	1300	9.0	200	138	190	14
12 SLA 50	12	50	2030	6.0	288	173	202	22
12 SLA 75	12	75	3000	4.0	360	164	228	32
6 SLA 100	6	100	3800	1.7	271	173	202	21
6 SLA 105	6	105	4000	1.6	198	206	237	21
6 SLA 125	6	125	4300	1.4	268	172	230	26
4 SLA 150	4	150	5000	0.70	271	173	202	20
6 SLA 160	6	160	3050	1.96	298	202	226	34
6 SLA 180	6	180	3400	1.75	387	173	251	39
4 SLA 200	4	200	3800	1.0	250	202	226	26
2 SLA 250	2	250	5900	0.35	271	173	202	18
2 SLA 275	2	275	6100	0.33	142	205	260	18
2 SLA 300	2	300	6300	0.32	271	173	202	20
2 SLA 405	2	400	7600	0.26	250	202	226	26
2 SLA 500	2	500	9700	0.21	387	173	251	37
2 SLA 580	2	580	10800	0.19	387	173	251	41
2 SLA 800*	2	820	9700	0.206	254	210	525	64
2 SLA 1000*	2	1025	12000	0.165	254	210	525	74
2 SLA 1500*	2	1500	16000	0.125	275	210	660	110
2 SLA 2000*	2	2000	20000	0.102	368	218	660	143

\* This cell must be installed horizontally

Standby Batteries