



It has always been extremely important to have a backup power source when possible mains power failure can cause severe problems.

Whenever a stationary battery is required **MONOLITE** can offer considerable advantages such as: ready for installation as delivered; no topping-up required during life; virtually sealed; it can be installed where people work and is office compatible.

FIAMM has a programme of continuous improvement investing in manufacturing processes, equipment and technology. FIAMM Industrial battery production conforms to **ISO 9001** standards. Our investment in battery technology is your assurance of product quality and reliability.

**Monolite** valve regulated lead acid batteries are the ideal energy source for stationary applications, in particular:

**TELECOMMUNICATIONS**

**UNINTERRUPTIBLE POWER SYSTEMS**

**EMERGENCY LIGHTING**

**FIRE AND SECURITY ALARMS**

# Monolite

## range

### TECHNICAL CHARACTERISTICS

- ▶ Flat positive and negative plates.
- ▶ Grids are made of high quality lead calcium tin alloy, sized to ensure a long and reliable battery life.
- ▶ Electrolyte is a high purity diluted sulphuric acid.
- ▶ Microporous separators of fine glass fibres, to assure an extremely low resistance as well as optimum electrolyte absorption.
- ▶ Containers and lids are made of thick ABS flame retardent plastic to UL 94 class VO, BS 6334 Method FV and IEC 707, class FV-0. They are designed for high mechanical resistance to fully withstand the internal pressure variations during battery operation.
- ▶ Threaded terminal pillars with brass inserts to ensure high current conductivity.
- ▶ Each cell has a one way relief safety valve that opens at low pressure.
- ▶ Flame arrestor device for complete safety.
- ▶ Ready for remote venting system.

### APPLICABLE STANDARDS

- ▶ BS 6290 Part 4
- ▶ IEC 896-2 - Part 2
- ▶ CEI EN 60896-2
- ▶ BELLCORE TR-NWT-000766
- ▶ Eurobat Guide - 12 years and longer "long life".



### PRODUCT FEATURES

- ▶ Safe
- ▶ Economical
- ▶ Versatile
- ▶ Reliable
- ▶ Long life
- ▶ Maintenance free

Industrial Standby Batteries

## FIAMM SLA range

CELL TYPE	NOMINAL VOLTAGE (V)	NOMINAL CAPACITY IN Ah at 20°C				DIMENSIONS (mm)			WEIGHT (Kg)
		10 hrs to a 1,80 VPC	5 hrs to a 1,80 VPC	3 hrs to a 1,80 VPC	1 hr to a 1,65 VPC	Length L	Width W	Height H	
12 SLA 12	12	12	10,5	9,5	7,6	200	77	138	5,6
12 SLA 25	12	25	21,7	19,5	16,3	218	129	166	11,3
12 SLA 30	12	30	26,1	23,4	19,6	201	138	190	14
12 SLA 50	12	50	43,5	39	32,7	288	173	202	22
12 SLA 75	12	75	65,5	58,5	49	360	164	228	32,2
6 SLA 100	6	100	87	78	65	271	173	202	21
6 SLA 125	6	125	109	97,5	81	268	172	230	26
4 SLA 125	4	125	109	98,7	82	271	173	202	17,3
4 SLA 150	4	150	130	119	98	271	173	202	20,2
6 SLA 160	6	160	139	128	109	298	202	226	33,8
6 SLA 180	6	180	156	140	117	387	173	251	37,4
4 SLA 200	4	200	174	160	125	250	202	226	26
2 SLA 200	2	200	174	156	131	271	173	202	15,3
2 SLA 250	2	250	217	195	163	271	173	202	17,7
2 SLA 300	2	300	261	234	196	271	173	202	20,5
2 SLA 405	2	400	347	320	250	250	202	226	26
2 SLA 500	2	500	435	390	323	387	173	251	36,5
2 SLA 580	2	580	505	453	374	387	173	251	40,2
2 SLA 800	2	800	745	663	541	254	510,5	210	64
2 SLA 1000	2	1000	930	831	677	254	510,5	210	74

### ELECTRICAL CHARACTERISTICS

- ▶ **FLOAT CHARGE:** 2,27 V/cell at 20°C.
- ▶ **RECOMMENDED CHARGE:** 2,27 V/cell 20°C.
- ▶ **FAST RECHARGE:** 2,4 V/cell with current limited to 0,25 C<sub>10</sub> Amperes.
- ▶ **TEMPERATURE COMPENSATION:** -2.5 mV/°C.
- ▶ **SELF DISCHARGE:** at 20°C <2% a month.



[www.fiamm.com](http://www.fiamm.com)

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