FIAMM

Monolite
Model 12 SLA 75
12-volt, 75 Ah

Telecommunications Standby Batteries

FIAMM's **Monolite 12SLA75** valve-regulated, lead-acid battery is specifically designed to meet and exceed the exacting specifications of the Telecommunications industry. This "purpose-built" design philosophy, coupled with industry-leading manufacturing technology, ensures product consistency and reliable performance in a battery ideally suited to Telecommunications applications:

- 12-year plus design life
- Has passed the stringent Telcordia (Bellcore) 10-year accelerated life tests
- Good Energy Density
- Good Low-Rate Performance
- Easy Handling and Installation
- Safe Operation and Ease of Testing
- No Water Addition Needed

The FIAMM **Monolite 12SLA75** battery has a proven track record of exceptional performance in many parts of the network. With its traditional top-terminal design, it is ideally suited for applications utilizing roll-out trays or drawers such as Remote Terminals cabinets, Huts, CEV's, and Central Offices.

DESIGN FEATURES

▶ **Plates and Grids:** extra-thick plates with grids cast from high purity lead-calcium-tin alloy ensure long and reliable life

▶ **Separator:** microporous glass mat facilitates recombination and immobilizes the electrolyte

▶ **Internal Connections:** heavy-duty internal straps and through-the-partition cell connections minimize internal resistance for increased energy density

▶ **Terminals:** threaded post terminals with brass inserts provide for high conductivity and maximum torque retention

▶ **Post Seals:** state-of-the-art post seals prevent seepage over a wide temperature range

▶ **Safety Valve:** each cell has its own one-way valve that opens at 5 psi and closes at 3 psi to allow excess gas to escape in case of over-charging

▶ **Flame Arrestor:** lets excess gas out while preventing any errant spark or flame from entering the battery

▶ **Container and Cover:** made from thick-walled ABS plastic and designed for unsurpassed mechanical strength, the cases and covers have an LOI greater than 28% and meet the flame retardancy standards of UL 94 V-0

▶ **Handles:** handles integrated into the cover to aid in handling, installing and removing the batteries

STANDARDS COMPLIANCE

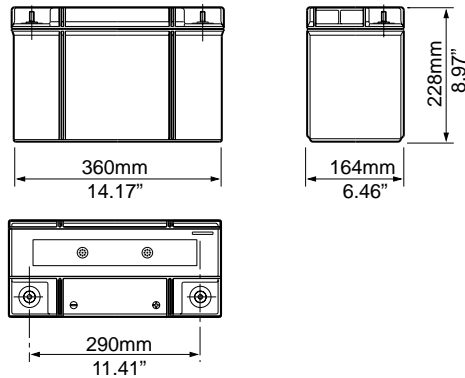The 12SLA75 meets the requirements of the following industry standards:

▶ ANSI T1.330-1997
▶ British Standard BS 6290 Part 4
▶ British Standard 6334 method FV0
▶ Eurobat Guide - 12 years and longer "long life"
▶ IEC 707 FV0
▶ IEC 896 Part 2
▶ Telcordia (Bellcore) SR-4228
▶ Telcordia (Bellcore) TR-NWT-000766
▶ Telcordia (Bellcore) TR-NWT-000909
▶ Telcordia (Bellcore) TR-NWT-001200
▶ UL 1778
▶ UL 94 Class V-0
▶ UL Recognized

Monolite Model 12 SLA 75

228mm / 8.97"

360mm / 14.17"

164mm / 6.46"

290mm / 11.41"

DISCHARGE AMPERES FOR 12 SLA 75 AT 77°F (25°C)

V/cell	HOURS										
	1	2	3	4	5	6	7	8	10	12	20
1.65	50.9	28.6	20.5	16.3	13.6	11.9	10.5	9.43	7.77	6.54	4.11
1.70	50.2	28.3	20.5	16.3	13.6	11.8	10.5	9.40	7.75	6.52	4.10
1.75	48.9	27.8	20.3	16.2	13.5	11.8	10.4	9.35	7.69	6.48	4.07
1.80	47.7	27.1	20.1	16.0	13.4	11.7	10.3	9.28	7.62	6.44	4.03
1.85	46.2	26.1	18.8	14.9	12.6	11.1	9.83	8.83	7.29	6.16	3.87
1.88	44.6	25.4	18.2	14.4	12.1	10.5	9.30	8.29	6.82	5.75	3.60

DISCHARGE WATTS PER CELL FOR 12 SLA 75 AT 77°F (25°C)

V/cell	HOURS										
	1	2	3	4	5	6	7	8	10	12	20
1.65	93.6	53.4	39.1	31.3	26.2	22.8	20.2	18.1	14.9	12.6	7.88
1.70	93.5	53.4	39.1	31.2	26.2	22.8	20.2	18.1	14.9	12.6	7.87
1.75	92.5	53.1	39.1	31.2	26.2	22.8	20.2	18.1	14.9	12.6	7.87
1.80	91.5	52.5	39.0	31.2	26.2	22.8	20.2	18.1	14.8	12.5	7.86
1.85	89.9	51.4	37.1	29.4	24.8	21.8	19.4	17.4	14.4	12.2	7.65
1.88	87.6	50.2	36.0	28.6	24.1	20.9	18.5	16.5	13.5	11.4	7.15

TECHNICAL SPECIFICATIONS

▶ **Capacities:** 75 AH at C8 to 1.75 VPC at 25°C
▶ **Recommended Float Voltage:** 13.56 V at 25°C
▶ **Temperature Compensation:** -15mV/°C
▶ **Maximum Charge Current:** 19 A
▶ **Self-Discharge at 77°F (25°C):** <2% per month
▶ **Short Circuit Current:** 3000 A
▶ **Internal Resistance:** 4 mohm
▶ **Weight:** 70.99 lb. (32.2 kg)
▶ **Terminals:** M8
▶ **Terminal Torque:** 65-70 in. lbs (7.3-8.0 Nm)

BVQi ANSI-RAB ACCREDITED QMS
ISO 9001:1994

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