



FIAMM



FIAMM's **Monolite 12SLA30** 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 12SLA30** 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.

Monolite

Model 12 SLA 30

12-volt, 30 Ah

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 12SLA30 meets the requirements of the following industry standards:

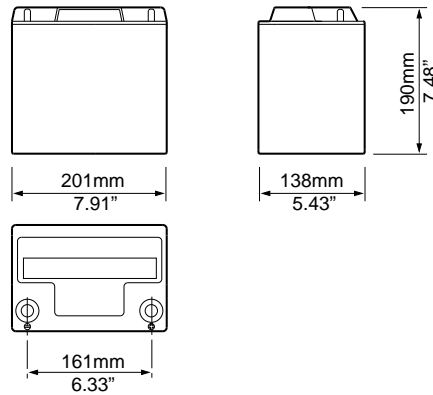
- ▶ ANSI T1.330-1997
- ▶ British Standard BS 6290 Part 4
- ▶ British Standard 6334 method FV0
- ▶ Eurobat Guide - 12 years and longer "long life"
- ▶ IEC 707 FV0
- ▶ IEC 896 Part 2
- ▶ Telcordia (Bellcore) SR-4228
- ▶ Telcordia (Bellcore) TR-NWT-000766
- ▶ Telcordia (Bellcore) TR-NWT-000909
- ▶ Telcordia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

Telecommunications Standby Batteries



Monolite

Model 12 SLA 30

 1394787
07.02


DISCHARGE AMPERES FOR 12 SLA 30 AT 77°F (25°C)

V/cell	HOURS										
	1	2	3	4	5	6	7	8	10	12	20
1.65	20.4	11.5	8.22	6.53	5.46	4.75	4.20	3.77	3.11	2.62	1.65
1.70	20.1	11.3	8.18	6.51	5.44	4.73	4.19	3.76	3.10	2.61	1.64
1.75	19.6	11.2	8.12	6.47	5.41	4.71	4.17	3.74	3.08	2.59	1.63
1.80	19.1	11.0	8.03	6.41	5.38	4.68	4.14	3.71	3.05	2.57	1.61
1.85	18.5	10.5	7.53	5.97	5.03	4.43	3.93	3.53	2.92	2.46	1.55
1.88	17.9	10.1	7.27	5.76	4.86	4.21	3.72	3.32	2.73	2.30	1.44

DISCHARGE WATTS PER CELL FOR 12 SLA 30 AT 77°F (25°C)

V/cell	HOURS										
	1	2	3	4	5	6	7	8	10	12	20
1.65	37.4	21.4	15.7	12.5	10.5	9.13	8.09	7.26	5.96	5.03	3.15
1.70	37.4	21.4	15.6	12.5	10.5	9.12	8.08	7.25	5.95	5.03	3.15
1.75	37.0	21.4	15.6	12.5	10.5	9.11	8.07	7.24	5.95	5.02	3.15
1.80	36.6	21.2	15.6	12.5	10.5	9.11	8.06	7.23	5.94	5.02	3.14
1.85	36.0	20.6	14.8	11.8	9.92	8.73	7.76	6.97	5.76	4.86	3.06
1.88	35.1	20.1	14.4	11.4	9.65	8.36	7.39	6.59	5.42	4.57	2.86

TECHNICAL SPECIFICATIONS

- ▶ **Capacities:** 30 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:** 8 A
- ▶ **Self-Discharge at 77°F (25°C):** <2% per month
- ▶ **Short Circuit Current:** 1300 A
- ▶ **Internal Resistance:** 9 mohm
- ▶ **Weight:** 30.86 lb. (14.0 kg)
- ▶ **Terminals:** M8
- ▶ **Terminal Torque:** 65-70 in. lbs (7.3-8.0 Nm)



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