



FIAMM



FIAMM's **Monolite 12SLA12** 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 12SLA12** 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 and CEV's.

Monolite

Model 12 SLA 12

12-volt, 12 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

STANDARDS COMPLIANCE

The 12SLA12 meets the requirements of the following industry standards:

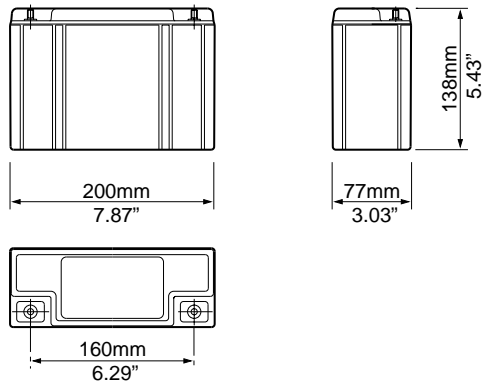
- ▶ ANSI T1.330-1997
- ▶ British Standard BS 6290 Part 4
- ▶ British Standard 6334 method FV0
- ▶ Eurobat Guide - 12 years and longer "long life"
- ▶ IEC 707 FV0
- ▶ IEC 896 Part 2
- ▶ Telcordia (Bellcore) SR-4228
- ▶ Telcordia (Bellcore) TR-NWT-000766
- ▶ Telcordia (Bellcore) TR-NWT-000909
- ▶ Telcordia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

Telecommunications Standby Batteries



Monolite

Model 12 SLA 12

 1394785
07.02


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

V/cell	HOURS										
	1	2	3	4	5	6	7	8	10	12	20
1.65	8.22	4.72	3.40	2.69	2.24	1.94	1.70	1.52	1.26	1.05	0.66
1.70	8.13	4.68	3.37	2.66	2.22	1.92	1.68	1.50	1.24	1.05	0.65
1.75	8.01	4.63	3.33	2.64	2.20	1.90	1.67	1.49	1.23	1.04	0.65
1.80	7.86	4.56	3.29	2.60	2.17	1.87	1.64	1.47	1.22	1.03	0.64
1.85	7.56	4.42	3.20	2.54	2.12	1.83	1.61	1.44	1.19	0.99	0.61
1.88	7.23	4.25	3.08	2.45	2.05	1.77	1.56	1.40	1.16	0.97	0.60

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

V/cell	HOURS										
	1	2	3	4	5	6	7	8	10	12	20
1.65	15.5	9.00	6.49	5.14	4.29	3.70	3.25	2.91	2.41	2.03	1.26
1.70	15.5	8.99	6.48	5.14	4.29	3.69	3.25	2.91	2.41	2.03	1.26
1.75	15.5	8.98	6.48	5.13	4.28	3.69	3.25	2.90	2.41	2.03	1.26
1.80	15.4	8.97	6.47	5.13	4.28	3.68	3.24	2.90	2.40	2.02	1.26
1.85	15.0	8.81	6.38	5.07	4.24	3.66	3.21	2.88	2.38	1.99	1.23
1.88	14.4	8.52	6.19	4.92	4.12	3.56	3.14	2.81	2.33	1.95	1.20

TECHNICAL SPECIFICATIONS

- ▶ **Capacities:** 12 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:** 3 A
- ▶ **Self-Discharge at 77°F (25°C):** <2% per month
- ▶ **Short Circuit Current:** 500 A
- ▶ **Internal Resistance:** 24 mohm
- ▶ **Weight:** 12.35 lb. (5.6 kg)
- ▶ **Terminals:** M6
- ▶ **Terminal Torque:** 50-55 in. lbs (5.6-6.2 Nm)



FIAMM

www.fiammamerica.com

FIAMM Technologies, Inc.

One FIAMM Way

Waynesboro, GA 30830

Tel. 888-77-FIAMM (888-773-4266)

Telecommunications Standby Batteries