



FIAMM



FIAMM's **Monolite 2SLA1000** 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 2SLA1000** battery has a proven track record of exceptional performance in many parts of the network including Huts, CEV's, and Central Offices. In addition, the 2SLA1000 can be used in traditional 1-tier or 2-tier Central Office racks in a vertical orientation, or it can be mounted horizontally in trays and stacked up to save floor space.

Monolite

Model 2 SLA 1000

2-volt, 1048Ah

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:** 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 2SLA1000 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

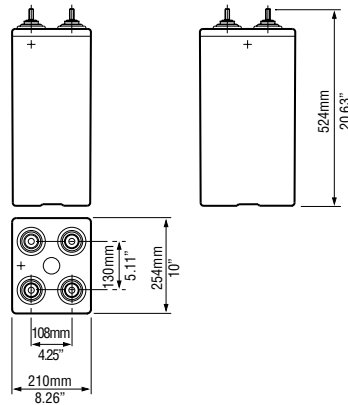
Telecommunications Standby Batteries



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DISCHARGE AMPERES FOR 2 SLA 1000 AT 77°F (25°C)

V/cell	HOURS										
	1	2	3	4	5	6	7	8	10	12	20
1.65	697	409	300	240	200	171	150	133	109	91.5	57.9
1.70	686	402	295	237	199	170	148	132	108	90.8	57.4
1.75	662	395	292	234	196	169	147	131	107	90.0	56.9
1.80	622	381	285	229	192	165	144	128	104	88.0	55.6
1.85	567	356	270	217	181	156	136	121	99.4	82.9	51.7
1.88	523	338	258	208	173	149	130	115	94.4	78.9	49.0

DISCHARGE WATTS PER CELL FOR 2 SLA 1000 AT 77°F (25°C)

V/cell	HOURS										
	1	2	3	4	5	6	7	8	10	12	20
1.65	1259	751	553	447	375	323	282	251	205	173	110
1.70	1256	747	554	446	375	322	281	250	205	173	109
1.75	1231	745	554	446	374	322	281	250	205	173	109
1.80	1175	729	548	442	371	319	279	248	202	171	108
1.85	1089	691	527	425	355	305	268	238	196	163	102
1.88	1013	660	506	409	342	294	257	228	187	156	97.2

TECHNICAL SPECIFICATIONS

- ▶ **Capacities:** 1048 AH at C8 to 1.75 VPC at 25°C
- ▶ **Recommended Float Voltage:** 2.26 V at 25°C
- ▶ **Temperature Compensation:** -2.5mV/°C
- ▶ **Maximum Charge Current:** 262 A
- ▶ **Self-Discharge at 77°F (25°C):** <2% per month
- ▶ **Short Circuit Current:** 12000 A
- ▶ **Internal Resistance:** 0.16 mohm
- ▶ **Weight:** 165.00 lb. (74.0 kg)
- ▶ **Terminals:** M12
- ▶ **Terminal Torque:** 177-221 in. lbs (20-25 Nm)



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