

FIAMM

Industrial Batteries

HIGHLITE FLX series



FIAMM's FLX batteries have been specifically designed to achieve optimal performance in:

- + High-Rate UPS Systems
- + Emergency Power Applications

A compact footprint provides easy installation in cabinets and racks with minimal space clearance.

Capable of protecting the critical load from power disturbances. Our FLX range offers an excellent solution for today's power requirements:

- + Safe
- + Versatile
- + Reliable
- + Long Life
- + Superior Energy Density
- + Easy Handling and Installation

Technical Features

Plates and Grids: gravity casted grids from high purity lead calcium tin alloy to provide an optimal current conducting framework for high rate discharges.

Separators: microporous absorbent glass mat facilitates recombination and immobilizes the electrolyte.

Terminals: threaded female alloy terminal posts provide high conductivity, maximum torque retention and easy installation.

Post Seals: state of the art post seals prevent acid 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.

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 retardant standards of UL94 V-0.

Flame Arrestor Device: releases excess gas while preventing any errant spark or flame from entering the battery.

Applicable Standards

Telcordia (Bellcore) SR-4228
Telcordia (Bellcore) TR-NWT-001200
Telcordia (Bellcore) TR-NWT-000909
UL Recognized
UL 94 Class V-0
UL 1778
IEC 60896 Part 21-22

Product Features

- + AGM Technology (high recombination efficiency, up to 99%)
- + 10 year design life @ 25°C
- + No Electrolyte Maintenance Required
- + Operating in any orientation. We recommend upright, side or end mounting
- + No restriction in air/surface/water transportation

Standby Products

HIGHLITE FLX series

FIAMM FLX range

BATTERY TYPE	NOMINAL VOLTAGE (V)	CAPACITY (WPC) at 77°F 15 min to 1.67 VPC	DIMENSIONS in.			WEIGHT lbs/(kg)	TERMINALS
			Top Length/ Bottom Length	Top Width/ Bottom Width	Top Height/ Bottom Height		
12 FLX 200	12	204	9.01/8.90	5.43/5.34	8.35	39.2/(17.8)	1/4" - 20
12 FLX 250	12	257	10.69/10.61	6.54/6.35	7.68	51.0/(23.2)	1/4" - 20
12 FLX 300	12	311	10.27/10.16	6.85/6.57	8.58	58.3/(26.5)	1/4" - 20
12 FLX 350	12	374	11.87/11.76	6.85/6.57	8.58	67.5/(30.7)	1/4" - 20
12 FLX 400	12	415	13.31/12.74	6.85/6.57	8.46	73.3/(33.3)	1/4" - 20
12 FLX 500	12	493	13.31/12.74	6.85/6.57	10.87	97.5/(44.3)	1/4" - 20
12 FLX 540	12	540	13.31/12.74	6.85/6.57	10.87	97.5/(44.3)	1/4" - 20

DISCHARGE WATTS PER CELL TO 1.67 V/CELL AT 77°F

BATTERY TYPE	MINUTES						
	5	10	15	20	30	45	60
12 FLX 200	354	256	204	167	125	91.9	73.4
12 FLX 250	489	339	257	207	152	108	86.8
12 FLX 300	526	394	311	254	187	135	106
12 FLX 350	632	472	374	305	225	162	128
12 FLX 400	702	525	415	339	250	180	142
12 FLX 500	746	569	493	378	280	203	162
12 FLX 540	869	657	540	448	343	252	196

Electrical Characteristics

- ✦ FLOAT VOLTAGE CHARGE AT 77°F: 13.62 V/bloc
- ✦ FLOAT VOLTAGE COMPENSATION WITH TEMPERATURE: -8.3 mV/°F per bloc
- ✦ SELF-DISCHARGE AT 77°F: < 2% / month

