

FIAMM

Industrial Batteries

HIGHLITE FLX series



12FLX500

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.

Standby Products

Product Features

- + High integrity design with superior energy density in industry standard footprint
- + Microporous absorbent glass mat "AGM" technology, low maintenance, 99% recombination, non-spillable
- + 10 year design life @ 25°C
- + UL94V-0 rated flame retardent plastic
- + Gravity cast, high purity, Lead-Tin Calcium grids for low corrosion and high rate performance
- + Individual cell flame arrestors
- + Non-spillable, unrestricted for air/water/surface transport
- + Handles, integrated design, flush mount

Technical Data

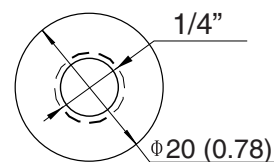
BATTERY TYPE	NOMINAL VOLTAGE (V)	CAPACITY at 77°F Watt per Cell 15 mins 1.67V/C	CAPACITY at 77°F (AH) 8 hours 1.75V/C	DIMENSIONS in.			WEIGHT lbs/(kg)	TERMINALS
				Top Length/ Bottom Length	Top Width/ Bottom Width	Top Height/ Bottom Height		
12 FLX 500	12	493	119.0	13.31/12.74	6.85/6.57	10.87	97.5/(44.3)	1/4" - 20

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

Terminal Type

Torque: 106 in.lbs.



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FLX500 DISCHARGE WATTS PER CELL AT 77°F

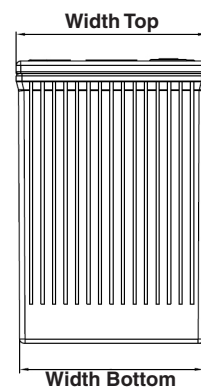
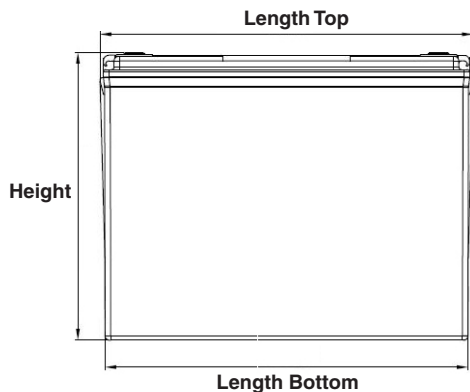
Volts per Cell	MINUTES						
	30	60	120	180	240	300	480
1.60	309	176	93.4	66.2	51.8	43.3	29.5
1.65	302	174	93.0	65.9	51.6	43.2	29.3
1.67	280	162	92.9	65.7	51.5	43.1	29.3
1.70	297	171	92.6	65.5	51.3	43.0	29.2
1.75	285	167	92.2	65.1	51.0	42.8	29.0

FLX500 DISCHARGE AMPERES AT 77°F

BATTERY TYPE	MINUTES						
	30	60	120	180	240	300	480
1.60	169	94.5	49.7	35.0	27.3	22.8	15.4
1.65	163	92.7	49.0	34.6	27.0	22.6	15.3
1.67	160	91.2	48.7	34.3	26.8	22.4	15.2
1.70	158	90.3	48.4	34.1	26.7	22.3	15.1
1.75	149	87.0	47.6	33.5	26.2	22.0	14.9

Electrical Characteristics

- + FLOAT VOLTAGE CHARGE AT 77°F: 13.62 V/block (13.6 - 13.8)
- + FLOAT VOLTAGE COMPENSATION WITH TEMPERATURE: -8.3 mV/°F per block
- + SELF-DISCHARGE AT 77°F: < 2% / month



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