

FIAMM

Industrial Batteries

HIGHLITE FLX500



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

- + High-Rate UPS Systems

FLX 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 at 25C
- + UL 94 V0 Rated flame retardant plastics
- + 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



FIAMM FLX500

PART NUMBER	CAPACITY Watt per Cell 15 mins 1.67V/C	CAPACITY Amp Hours 8 hours 1.75V/C	DIMENSIONS (ins)			WEIGHT lbs/(kg)	TERMINALS
			Top Length/ Bottom Length	Top Width/ Bottom Width	Top Height/ Bottom Height		
12 FLX 500	500	119.2	13.31/12.74	6.85/6.57	10.87	97.5/(44.3)	1/4" - 20

DISCHARGE WATTS PER CELL AT 77°F

Volts per Cell	MINUTES						
	5	10	15	20	30	45	60
1.60	761	580	510	386	286	207	165
1.65	753	575	505	382	283	205	164
1.67	746	569	500	378	280	203	162
1.70	738	557	464	370	278	200	161
1.75	666	528	436	360	267	195	159
1.80	597	481	404	338	257	191	156
1.85	513	424	358	296	230	174	146

Applicable Standards

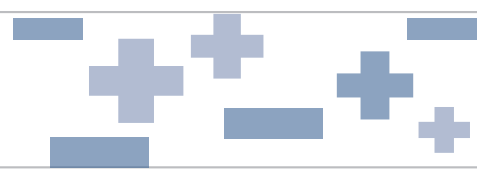
Telcordia (Bellcore) SR-4228
 Telcordia (Bellcore) TR-NWT-001200
 Telcordia (Bellcore) TR-NWT-000909
 UL Recognized

UL 94
 UL 1778
 IEC 60896 Part 21-22

Fiamm

Global Manufacturer of lead acid batteries since 1942
 USA manufacturing plant- Waynesboro, Georgia

HIGHLITE FLX500



FLX500 EXTENDED RUNTIME DISCHARGE WATTS PER CELL AT 77°F

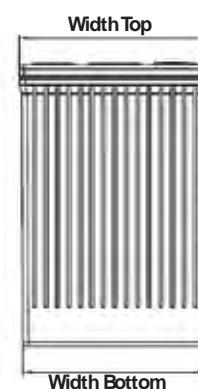
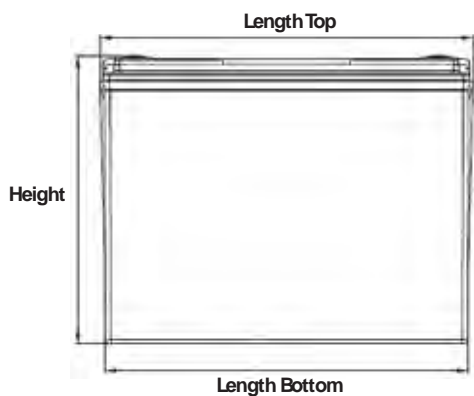
Volts per Cell	MINUTES						
	90	120	180	240	300	480	600
1.60	120	93.4	66.2	51.8	43.3	29.5	24.6
1.65	119	93.0	65.9	51.6	43.2	29.3	24.5
1.67	119	92.9	65.7	51.5	43.1	29.3	24.4
1.70	118	92.6	65.5	51.3	43.0	29.2	24.4
1.75	116	92.2	65.1	51.0	42.8	29.0	24.2
1.80	115	91.0	64.4	50.5	42.3	28.8	24.1
1.85	108	86.4	62.3	48.9	41.0	28.0	23.3

FLX500 DISCHARGE AMPS AT 77°F

Volts per Cell	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
1.80	141	84.4	46.4	32.8	25.7	21.5	14.6
1.85	125	77.8	43.5	31.3	24.5	20.6	14.0

Electrical Characteristics

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



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FIAMM Technologies LLC reserves the right to change or revise without notice any information or detail given in this publication

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