

FIAMM

Industrial Batteries

HIGHLITE FLX400



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 FLX400

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 400	415	88.0	13.31/12.74	6.85/6.57	8.46	73.3/(33.3)	1/4" - 20

DISCHARGE WATTS PER CELL AT 77°F

Volts per Cell	MINUTES						
	5	10	15	20	30	45	60
1.60	716	536	423	345	255	184	145
1.65	709	530	419	341	253	182	143
1.67	702	525	415	338	250	180	142
1.70	662	489	392	318	229	165	129
1.75	592	456	366	298	219	159	125
1.80	501	397	329	274	210	154	122
1.85	443	357	303	257	198	148	117

Applicable Standards

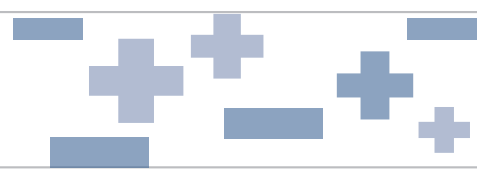
Telcordia (Bellcore) SR-4228
 Telcordia (Bellcore) TR-NWT-001200
 Telcordia (Bellcore) TR-NWT-000909
 UL Recognized

UL 94
 UL 1778
 IEC 60896 Part 21-22

Fiamm

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

HIGHLITE FLX400



FLX400 EXTENDED RUNTIME DISCHARGE WATTS PER CELL AT 77°F

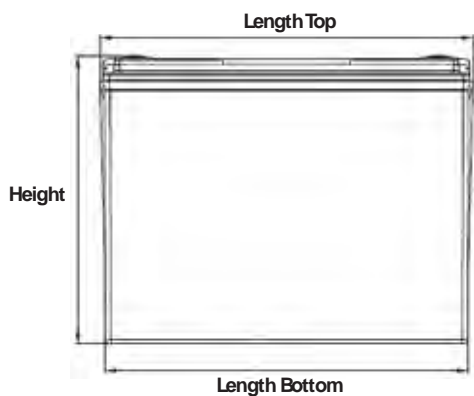
Volts per Cell	MINUTES						
	90	120	180	240	300	480	600
1.60	89.4	69.2	49.1	38.4	32.1	21.8	18.2
1.65	88.6	68.9	48.8	38.2	32.0	21.7	18.1
1.67	88.3	68.8	48.7	38.1	31.9	21.7	18.1
1.70	87.9	68.6	48.5	38.0	31.9	21.7	18.1
1.75	86.6	68.3	48.2	37.8	31.7	21.5	17.9
1.80	85.0	67.7	47.7	37.4	31.3	21.3	17.8
1.85	82.0	65.5	46.1	36.2	30.4	20.7	17.3

FLX400 DISCHARGE AMPS AT 77°F

Volts per Cell	MINUTES						
	30	60	120	180	240	300	480
1.60	129	71.2	36.8	26.0	20.2	16.9	11.4
1.65	125	69.5	36.3	25.6	20.0	16.7	11.3
1.67	123	68.5	36.0	25.4	19.9	16.6	11.3
1.70	122	67.9	35.9	25.3	19.8	16.5	11.2
1.75	115	65.2	35.3	24.8	19.4	16.3	11.0
1.80	108	62.4	34.5	24.3	19.0	15.9	10.8
1.85	101	59.2	33.0	23.2	18.2	15.2	10.4

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



FIAMM Energy LLC, One FIAMM Way, Waynesboro, GA 30830 Tel. 888-77-FIAMM (888-773-4266)
FIAMM Technologies LLC reserves the right to change or revise without notice any information or detail given in this publication

FIAMM Energy LLC
1 FIAMM Way
Waynesboro, GA 30830
www.fiamm.com
email: info.standby.america@fiamm.com



Industrial Batteries