

# FIAMM

Industrial Batteries

## HIGHLITE FLX series



## 12FLX300

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

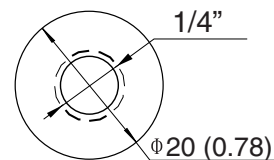
BATTERY TYPE	NOMINAL VOLTAGE (V)	CAPACITY at 77°F Watt per Cell 15 mins 1.67V/C	CAPACITY at 77°F (AH) 8 hours 1.75V/C	DIMENSIONS in.			WEIGHT lbs/(kg)	TERMINALS
				Top Length/ Bottom Length	Top Width/ Bottom Width	Top Height/ Bottom Height		
12 FLX 300	12	311	66.0	10.27/10.16	6.85/6.57	8.58	58.3/(26.5)	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.



## FLX300 DISCHARGE WATTS PER CELL AT 77°F

Volts per Cell	MINUTES						
	30	60	120	180	240	300	480
1.60	178	99.2	51.9	36.8	28.8	24.1	16.4
1.65	174	98.0	51.7	36.6	28.7	24.0	16.3
1.67	187	106	51.6	36.5	28.6	24.0	16.3
1.70	172	96.7	51.5	36.4	28.5	23.9	16.2
1.75	165	94.1	51.2	36.2	28.4	23.8	16.1

## FLX300 DISCHARGE AMPERES AT 77°F

BATTERY TYPE	MINUTES						
	30	60	120	180	240	300	480
1.60	96.9	53.4	27.6	19.5	15.2	12.7	8.57
1.65	93.9	52.1	27.2	19.2	15.0	12.5	8.49
1.67	92.3	51.4	27.0	19.1	14.9	12.5	8.45
1.70	91.3	50.9	26.9	18.9	14.8	12.4	8.41
1.75	86.2	48.9	26.5	18.6	14.6	12.2	8.25

### 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

