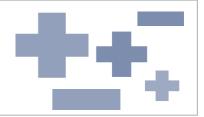


Industrial Batteries





Applications and Key Benefits

- Designed to achieve optimal performance and to protect from power disturbances ideal for:
 - high rate discharge UPS application
 - emergency power supply systems
 - IT network operations and data centers
 - emergency lighting
- + 6 and 12 volt monoblocs
- Very high energy density allows more compact battery layout and footprint
- Easy installation in cabinets or racks
- ♣ Non-spillable
- Flame retardant plastics
- VRLA AGM and gas recombination technology with 99% internal recombination
- Maintenance free without topping-up
- ♣ Non-hazardous for air/sea/rail/ road transportation
- + 100% Recyclable





Applicable Standards

- IEC 60896 Part 21 VRLA methods of testing
- IEC 60896 Part 22 VRLA requirements
- BS 6290 Part 4 specifications for VRLA classification
- Eurobat "High Performance" 10-12 years

FIAMM Manufacturing

- ISO 9001 Quality Management System
- ISO 14001 Environmental Management System
- OHSAS 18001 Workplace Safety & Health

Technical Features

- Gravity casted grids with high purity lead calcium tin alloy
- Active material on both sides of the grids guarantees optimized performance
- Minimal grid growth and corrosion resistant for prolonged service life
- Electrolyte fully absorbed in glass mat "AGM" separators with extremely high micro porosity
- Threaded female M5/M6/M8 terminal posts guarantee highest conductivity, maximum torque retention and easy installation
- Leak-resistant post seals prevent acid seepage over a wide temperature range
- Cells equipped with one-way safety valves that open at 5 PSI and close at 3 PSI to allow excess gas to escape when overcharging
- Flame arrestors prevent sparks or flames from entering the battery
- ABS IEC 707 FV0 and UL 94 V0 (LOI greater than 28%) flame retardant plastics
- Container and lid designed for unsurpassed mechanical strength made of thick walled plastics
- < 2% self-discharge per month at 20°C allows
 6 months shelf life
- Remote venting system available for applications which require limited gassing to be vented externally (available on 12FLB250 to 12FLB800 and 6FLB800)





FIAMM FLB range

BATTERY TYPE	NOMINAL VOLTAGE (V)	CAPACITY at 25°C (AH) 20 hrs to 1.75 VPC	SHORT CIRCUIT CURRENT (A) IEC 60896 21-22	INTERNAL RESISTANCE (m0hm) IEC 60896 21-22	DIMENSIONS (mm)			WEIGHT	TERMINALS
					Length	Width	Height	(kg)	72
12 FLB 100	12	26	768	16.4	166	175	125	9.35	M5/12
12 FLB 150	12	40	1270	9.8	197	165	170	14.0	M6/16
12 FLB 200	12	55	1550	8.3	229	138	212	18.5	M6/16
12 FLB 250	12	70	1975	6.5	272	166	195	23.5	M8/18
12 FLB 300	12	75	2620	4.8	261	174	218	27.0	M8/18
12 FLB 350	12	90	2430	5.2	302	174	218	31.0	M8/18
12 FLB 400	12	100	3260	3.8	341	174	218	34.5	M8/18
12 FLB 450	12	115	3870	3.2	379	174	218	38.5	M8/18
12 FLB 540	12	150	3660	3.4	338	174	277.5	44.5	M8/18
12 FLB 800	12	200	5530	2.3	500	226	235	63.9	M8/18
6 FLB 800	6	200	5000	1.3	321	177	227	34.3	M8/20

Note: dimensions may have a natural tolerance of $\pm\,2$ mm.

Electrical Characteristics

- → FLOAT VOLTAGE CHARGE AT 20-25°C: Standby use 2.25-2.27 V/cell
- ♣ BOOST CHARGE: 2.35 V/cell
- MAXIMUM CHARGE CURRENT: 0.25 C20 A (i.e.for a 100Ah bloc maximun charge current is 25 Amps)
- **★** FLOAT VOLTAGE TEMPERATURE COMPENSATION: -2.5 mV/°C/cell
- **♣** SELF-DISCHARGE AT 20°C: < 2% / month
- WARNING: in order for the warranty to be valid in all critical, frequent discharge and hybrid applications, please coordinate with Fiamm Group to clarify required operating and charging settings

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

