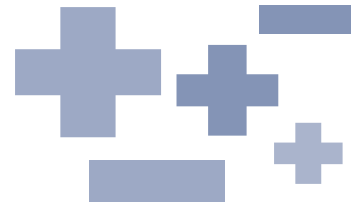


FIAMM

Industrial Batteries

MONOLITE
FIT
series



FIAMM **FIT** valve regulated lead acid battery offers all the advantages of absorptive glass mat (AGM) technology with the added benefits of accessible front terminals.

The front terminal design on all **FIT** batteries reduces installation time and simplifies maintenance. System reliability is enhanced and cost is reduced. The front access terminals are fully insulated by terminal covers thus ensuring electrical safety. The terminal covers have a specially designed probe hole allowing safe and easy voltage readings to be taken. The front terminal design minimizes overall footprint and facilitates a more compact battery layout in both cabinets and on racks.

The new grid design and the new lead alloy ensure a long life and excellent performance at all discharge rates.

The highest level of quality and respect for the environment is assured by FIAMM's adherence to ISO 9001 quality system and ISO 14001 environmental system.

Technical Features

Plates and Grids: thick pasted plates and grids of high quality Lead-Tin-Calcium alloy

Separators: microporous glass mats

Containers and Lids: made from thick-walled ABS flame retardant plastic, designed for unsurpassed mechanical strength and in accordance with flame retardancy standard IEC 707 FV0 and UL 94 V0 (LOI greater than 28%). Lids are automatically heat-sealed to the containers

Terminals: threaded terminals provide for high conductivity, minimum installation time, and maximum torque retention

Flame Arrestors: expel excess gas while preventing any errant spark or flame from entering the battery

Handles: all sizes have handles which facilitates ease of handling, installation and removal of the batteries

Safety Valves: operate at low internal pressure

Connections: the terminals allow for front, top or side connections depending on the space constraints of the installation

Remote Venting System: an optional Remote Venting System (RVS) is available for applications which require small amounts of gas (generated during normal operation) to be vented externally

Applicable Standards

IEC 60896 Part 21-22

BS 6290 Part 4

Eurobat Guide - Long life

UL Recognized

Product Features

- + Monoblocs fits 19" and 23" rack/cabinet
- + Optional remote venting system

Standby Products

FIAMM FIT range

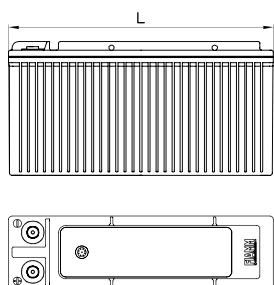
BATTERY TYPE	NOMINAL VOLTAGE (V)	CAPACITY (Ah)	SHORT CIRCUIT CURRENT (A)	INTERNAL RESISTANCE (mohm)	DIMENSIONS (mm)			WEIGHT (kg)	TERMINAL TYPE
		10 hrs to 1.80 VPC Ah at 20°C	IEC 60896-21	IEC 60896-21	Length	Width	Height		
12 FIT 40	12	40	920	13.0	280	105	198	15.2	Female M6
12 FIT 55	12	55	1220	9.8	395	108	199	21	Female M6
12 FIT 60	12	60	1330	9.0	280	105	260	21	Female M6
12 FIT 75	12	75	1980	6.0	395	108	275	29	Female M6
12 FIT 90	12	90	2260	5.3	395	108	275	32	Female M6
12 FIT 100/19	12	100	2650	4.4	395	108	287	33	Female M6
12 FIT 100/M	12	100	1931	6.6	518	105	245	34	Female M6
12 FIT 100/23	12	100	2430	5.2	558	126	230	37	Female M8
12 FIT 130	12	130	3080	3.9	558	126	270	45	Female M8
12 FIT 150	12	150	3430	3.5	558	126	282	48.5	Female M8
12 FIT 180	12	180	3740	3.2	558	126	320	57.5	Female M8

Note: dimension have a natural tollerance of ± 2 mm

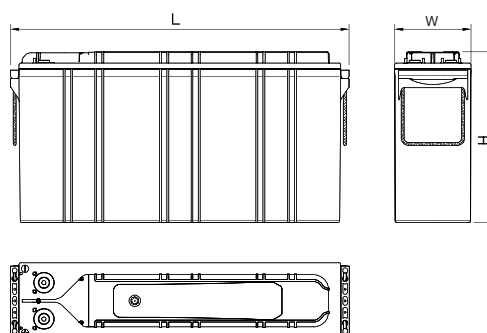
Electrical Characteristics

- ✚ FLOAT VOLTAGE CHARGE FOR STANDBY USE: 13.62 V/bloc (2.27 V/cell) at 20°C ,
13.56 V/bloc (2.26 V/cell) at 25°C
- ✚ BOOST CHARGE: 14.1 - 14.4 V/bloc (2.35 - 2.40 V/cell)
- ✚ MAXIMUM CHARGE CURRENT: 0.25 C₁₀ A (i.e. for a 100Ah bloc maximum charge current is 25 Amp)
- ✚ FLOAT VOLTAGE TEMPERATURE COMPENSATION: -15 mV/°C/bloc
- ✚ SELF-DISCHARGE AT 20°C: < 2% / month

Dimensions



12 FIT 40-55-60-75-90-100/19-100/M



12 FIT 100/23-130-150-180