FIAMM

Industrial Batteries

MONOLITE

FIT

Applications and Key Benefits

- Designed for high energy density front terminal Telecom installations

  Ideal for:
  - Telecom BTS - wireless application
  - Outdoor wireline cabinets
  - Broadband, microwave repeater and fiber optic regeneration sites
  - Use in areas with stable on-grid power supply
- Suitable for discharge 30 min up to 10 hours
- Front terminal design for reduced headspace, higher energy density and compact battery layout
- Front terminal design reduces installation time and facilitates maintenance
- 19 or 23 inch and ETSI power racks / cabinets
- AGM gas recombination technology
- Minimal gassing and fit for remote venting
- Non-spillable
- 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
- UL Recognized

FIAMM Manufacturing

- ISO 9001 Quality Management System
- ISO 14001 Environmental Management System

Technical Features

- Pasted plates and grids of high quality lead-tin-calcium alloy
- Electrolyte fully absorbed in glass mat AGM separators with extremely high porosity
- 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
- Thermally welded case-to-cover sealing avoids leakage
- Threaded terminal posts with brass inserts guarantee highest conductivity, maximum torque retention and easy installation
- High integrity post seal design to prevent electrolyte leakage over a wide temperature range
- Flame arrestors prevent sparks or flames from entering the battery
- Heavy-duty internal straps and through-the-partition cell connections minimize internal resistance
- Front terminals for reduced headspace, higher energy density and compact battery layout
- Fully insulated removable terminal covers with probe hole for safe and easy voltage measurement
- Robust connectors for use also in high rate application
- Design allows connections to the top, the front or the side
- Lids have space for end-battery connection cables
- All models have removable rope handles
- Cells equipped with one-way safety valves to allow excess gas to escape when overcharging
- Remote venting system available for applications which require limited gassing to be vented externally
- < 2% self-discharge per month at 20°C allows 6 months shelf life
- Long design life

MONOLITE FIT

FIAMM FIT range

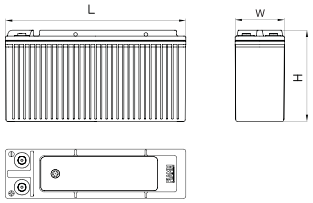
BATTERY TYPE	NOMINAL VOLTAGE (V)	CAPACITY (Ah) at 20°C	SHORT CIRCUIT CURRENT (A)	INTERNAL RESISTANCE (mOhm)	DIMENSIONS (mm)			WEIGHT (kg)	TERMINAL TYPE
		10 hrs to 1.80 VPC	IEC 60896-21	IEC 60896-21	Length	Width	Height		
12 FIT 40	12	40	920	13.0	280	105	198	15.2	Female M6
12 FIT 55	12	55	1411	9.0	395	108	199	21	Female M6
12 FIT 60	12	60	1998	6.3	280	105	260	21	Female M6
12 FIT 75	12	75	2140	5.8	395	108	275	29	Female M6
12 FIT 90	12	90	2327	5.4	395	108	275	32	Female M6
12 FIT 100/19	12	100	2421	5.2	395	108	287	33	Female M6
12 FIT 100/M	12	100	2379	5.2	518	105	245	34	Female M6
12 FIT 100/23	12	100	2776	4.5	558	126	230	37	Female M8
12 FIT 130	12	130	2622	4.7	558	126	270	45	Female M8
12 FIT 150	12	150	2950	4.1	558	126	282	48.5	Female M8
12 FIT 180	12	180	3063	4.0	558	126	320	57.5	Female M8

Note: dimension have a natural tollerance of ± 2 mm

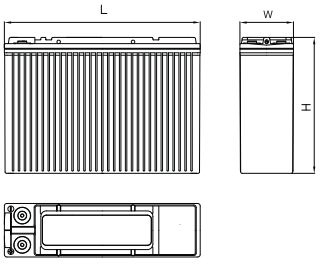
Electrical Characteristics

- 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)
- FLOAT VOLTAGE TEMPERATURE COMPENSATION: -15 mV/°C/bloc

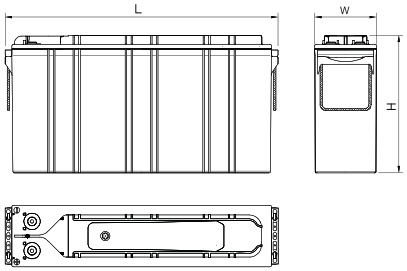
Dimensions



12 FIT 40-55-60



12 FIT 75-90-100/19-100/M



12 FIT 100/23-130-150-180

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