

FIAMM

Industrial Batteries

MONOLITE

SLA 6V blocs



Applications and Key Benefits

- + AGM 6V blocs 100Ah to 200Ah, designed for highest integrity, security and reliability
Ideal for:
 - High rate discharge UPS application
 - Telecom wireless and wireline
 - Industry and process controls
 - Emergency power supply systems
 - IT network operations and data centers
 - Electric utility
 - Switchgear
- + Excellent for high rate discharge (1 to 60 min) and medium to very long discharge (2 to 20 hours)
- + 12 years design life in float operation and temperature controlled environment
- + Very high energy density allows more compact battery layout and footprint
- + Flame retardant plastics and flashback protection
- + Full compliance with international product and safety specifications
- + VRLA AGM and gas recombination technology with 99% internal recombination
- + No separate battery room required
- + Maintenance free without topping-up
- + Non-hazardous for sea/rail/ road transportation
- + 100% Recyclable

Applicable Standards

- IEC 60896 Part 21 - VRLA methods of testing
- IEC 60896 Part 22 - VRLA requirements
- Eurobat "Long Life" - 12 years and longer
- BS 6290 Part 4 - specifications for VRLA classification
- BS 6334 / UL 94 V0 / IEC 707 FV0 - determination of materials flammability
- Bellcore TR-NWT-000766 - VRLA battery generic requirements
- Telcordia GR-4228 - VRLA battery string certification
- UL Recognized
- UL 1778 - UPS equipment

FIAMM Manufacturing

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

Technical Features

- Extra-thick plates with grids cast from high purity lead-calcium-tin alloy to minimize grid growth and corrosion, for prolonged service life
- Electrolyte absorbed in glass mat "AGM" separators with extremely high micro porosity
- Threaded post terminals with brass inserts guarantee highest conductivity, maximum torque retention and easy installation
- Heavy-duty internal straps and through-the-partition cell connections minimize internal resistance
- State of the art post seals prevent acid seepage over a wide temperature range
- Cells equipped with one-way safety valves 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
- Thick walled plastics designed for unsurpassed mechanical strength
- Most sizes have integrated handles
- < 2% self-discharge per month at 20°C allows 6 months shelf life



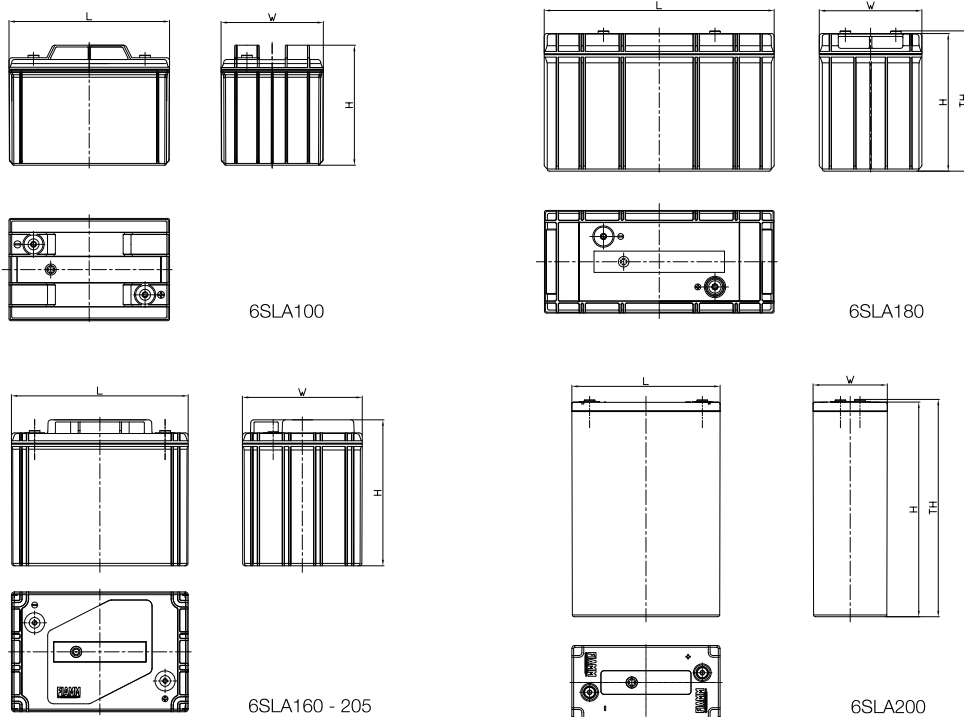
FIAMM SLA range

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	H/TH		
6SLA100	6	100	2320	2.71	271	172	202/202	19	Female M8
6SLA160	6	160	3040	2.07	298	202	226/226	32	Female M8
6SLA180	6	180	3330	1.86	387	173	232/236	34	Female M8
6SLA205	6	200	3230	1.93	298	202	246/246	35	Female M8
6SLA200*	6	200	3710	1.69	250	125	361.5/365	34	Female M8

Note: dimensions may have a natural tolerance of ± 2 mm.

* This battery must be installed horizontally.

Dimensions



Electrical Characteristics

- + FLOAT VOLTAGE CHARGE AT 20 - 25 °C: Standby use 6.75~6.81V/bloc (2.25 ~ 2.27 V/cell)
- + BOOST CHARGE: 7.05V/bloc (2.35 V/cell)
- + MAXIMUM CHARGE CURRENT: 0.25 C₁₀A (i.e.: for a 100Ah cell maximum charge current is 25 Amps)
- + FLOAT VOLTAGE TEMPERATURE COMPENSATION: - 2.5mV/°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