

Applications and Key Benefits

- + Designed to achieve optimal performance and to protect from power disturbances
- ideal for:
 - UPS application
 - Emergency lighting
 - Signaling
 - Security & alarm systems
 - Light traction applications
 - Camping & yachting
- + 6 volt and 12 volt monoblocs
- + Optimized for discharge from 15min up to 20hours
- + Easy installation in cabinets or racks
- + Non-spillable
- + Flame retardant plastics FV0
- + 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
- OHSAS18001 - Workplace Safety & Health

Technical Features

- Gravity casted grids with high purity lead calcium tin alloy
- 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 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 to allow excess gas to escape when overcharging
- Flame arrestors prevent sparks or flames from entering the battery
- 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



FIAMM SP range

BATTERY TYPE	NOMINAL VOLTAGE (V)	CAPACITY Ah at 25°C	DIMENSIONS (mm)			WEIGHT (kg)	TERMINAL TYPE
		20 hrs to 1.75 VPC	Length	Width	Height		
12 SP 26 C	12	26	166	175	125/125	8.1	Female M6
12 SP 33 C	12	33	196	130	159/164	11.0	Female M6
12 SP 42 C	12	42	197	165	170/170	14.7	Female M6
12 SP 55 C	12	55	229	138	207/212	17.4	Female M6
12 SP 80 C	12	80	259	168	209/213	22.3	Female M8
12 SP 100 C	12	100	329	172	214/221	32.0	Female M8
12 SP 150 C	12	150	482	170	240/240	48.4	Female M8
12 SP 205 C	12	205	500	226	235/235	60.0	Female M8
12 SP 235 C	12	235	499	260	218/240	68.5	Female M8

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

Electrical Characteristics

- ✦ FLOAT VOLTAGE CHARGE AT 25 °C: Standby use **13.56 V/bloc (2.26 V/cell)**
- ✦ BOOST CHARGE: **14.1 V/bloc (2.35 V/cell)**
- ✦ MAXIMUM CHARGE CURRENT: 0.25 C₂₀A (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 to clarify required operating and charging settings