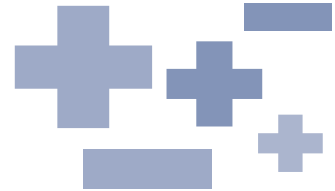


FIAMM

Industrial Batteries

ENDURLITE

SMG/F series



FIAMM **SMG/F** battery of valve regulated lead acid stationary batteries combine the benefits of recombination technology (i.e. virtually no maintenance due to very low gas emissions) plus the advantages of conventional vented batteries with positive tubular plates (i.e. long life and excellent cycling capability). FIAMM has a program of continuous improvement investing in manufacturing processes, equipment and technology. FIAMM's Standby Battery manufacture conforms to ISO 9001 quality system and ISO 14001 environmental system. Our continuous investment in battery technology is reflected by means of premium products that are of the highest quality and reliability.

FIAMM **SMG/F** valve regulated lead acid batteries are the ideal energy source for many different standby applications.

Technical Features

Tubular positive plates: incorporating a special grid construction, pressure cast from high tin low calcium alloy, with highly porous gauntlets that retain the active material

Pasted negative plates: designed to have service lives consistent with the positive plates

Electrolyte: immobilised in a gel structure

Separators: with extremely high porosity and low internal resistance

Containers and Lids: made of plastic (ABS) material. Also available in ABS flame retardant material as an option (according to IEC 707 FV0)

Easy Installation: FIAMM SMG/F cells are normally installed in an upright position on steel stands

Terminals: female treated terminal ensure perfect contact and a low resistance with the flexible cable connectors

Post seals: high integrity post seat design to prevent electrolyte leakage and terminal corrosion

Connectors: flexible, fully insulated cable connectors screwed to the terminal with an insulated screw having a probe hole on the top for electrical measurement

Applicable Standards

IEC 60896 Part 21-22

DIN 43539 T 5

Eurobat Guide - "Long Life"

UL Recognized

Product Features

- + Safe
- + Versatile
- + Reliable
- + Long cycling life

Standby Products

ENDURLITE

SMG/F series

FIAMM SMG/F range

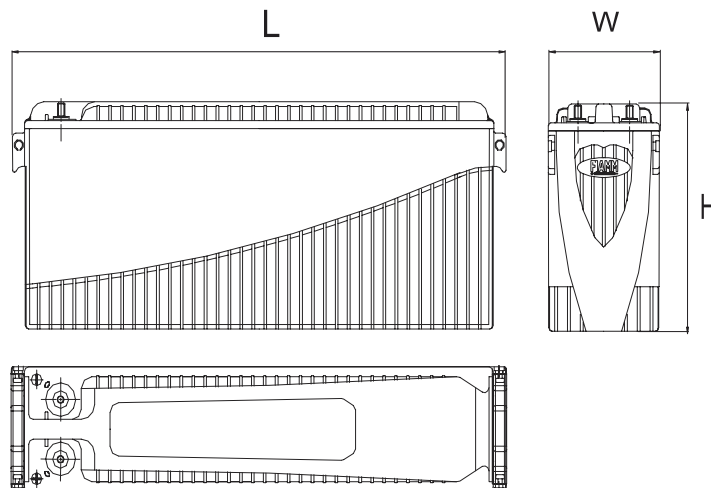
BATTERY TYPE	NOMINAL VOLTAGE (V)	CAPACITY (AH) Ah at 20°C	SHORT CIRCUIT CURRENT (A)	INTERNAL RESISTANCE (mohm)	DIMENSIONS (mm)			WEIGHT (kg)	TERMINAL TYPE
		10 hrs to 1.80 VPC	IEC 60896-21	IEC 60896-21	Length	Width	H/TH		
12SMG80/F	12	80	1300	8.4	560	126	230/230	37	Female M8
12SMG100/F	12	100	1500	7.8	560	126	270/270	44	Female M8
12SMG130/F	12	130	1700	7.2	560	126	320/320	54	Female M8

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

Electrical Characteristics

- ✦ FLOAT VOLTAGE CHARGE AT 20-25°C: Standby use 13.5-13.62 V/bloc (2.25-2.27 V/cell)
- ✦ BOOST CHARGE: 14.1 V/bloc (2.35 V/cell)
- ✦ MAXIMUM CHARGE CURRENT: 0.25 C10 A (i.e. for a 100Ah bloc maximum charge current is 25 Amps)
- ✦ FLOAT VOLTAGE TEMPERATURE COMPENSATION: -15 mV/°C/bloc
- ✦ 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

Dimensions



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