

FIAMM

Industrial Batteries

ENDURLITE

SMG series



FIAMM **SMG** range 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 ISO9001 quality system and ISO14001 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** 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 antimony-free 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 cells are normally installed in an upright position on steel stands

One Way Relief Valve: opens at low pressure and is fitted with a flame arrestor device

Terminals: female treated terminal (M10) ensure perfect contact and a low resistance with the flexible cable connectors

Post Seals: high integrity post seal 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

DIN 40742

IEC 60896 Part 21-22

Eurobat Guide - Long Life

UL Recognized

Product Features

- + Safe
- + Versatile
- + Reliable
- + Minimal gassing

Standby Products

ENDURLITE SMG series

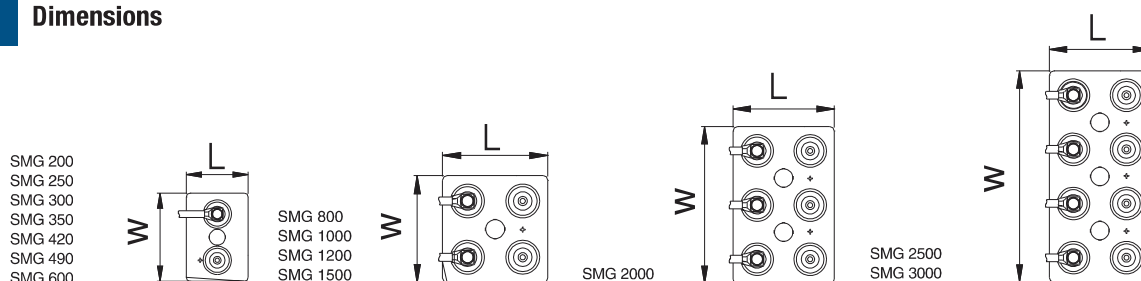
DIN 40742		CAPACITY (AH) Ah at 20°C	WEIGHT (kg)	DIMENSIONS (mm)				
CELL TYPE	DEFINITION	10 hrs to 1.80 VPC		Length	Width	Height	Total Height	TH + Acc.
SMG 200	4 OPzV 200	200	16,8	103	206	356	388	406
SMG 250	5 OPzV 250	250	19,8	124	206	356	388	406
SMG 300	6 OPzV 300	300	23,4	145	206	356	388	406
SMG 350	5 OPzV 350	350	27,0	124	206	472	504	523
SMG 420	6 OPzV 420	420	33,0	145	206	471	504	523
SMG 490	7 OPzV 490	490	35,5	166	206	472	504	523
SMG 600	6 OPzV 600	600	44,0	145	206	646	679	698
SMG 800	8 OPzV 800	800	60,0	210	191	646	679	698
SMG 1000	10 OPzV 1000	1000	73,3	210	233	646	679	698
SMG 1200	12 OPzV 1200	1200	83,3	210	275	646	679	698
SMG 1500	12 OPzV 1500	1500	104	210	275	796	829	848
SMG 2000	16 OPzV 2000	2000	138	212	397	772	805	824
SMG 2500	20 OPzV 2500	2500	170	212	487	772	805	824
SMG 3000	24 OPzV 3000	3000	206	212	576	772	805	824

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

Electrical Characteristics

- + FLOAT VOLTAGE CHARGE AT 20-25°C: Standby use 2.23~2.25V/cell
- + BOOST CHARGE: 2.35V/cell
- + MAXIMUM CHARGE CURRENT: 0.25 C10 A (i.e.:for a 100Ah cell maximum charge current is 25 Amps)
- + FLOAT VOLTAGE TEMPERATURE COMPENSATION: -2.5 mV/°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

Dimensions



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