



The **GM** range derives from the long experience in a emergency and standby applications. The **GM** range has been specifically designed to ensure optimal discharge performances and high reliability in many different environments.

FIAMM has a program of continuous improvement investing in manufacturing processes, equipment and technology. FIAMM's Industrial battery production conforms to ISO9001 quality assurance and ISO14001 environmental systems. Our continuous investment in battery technology is reflected by means of premium products that are of the highest quality and reliability.

**GM** valve regulated lead acid batteries are the ideal energy source for many different standby applications.

## TECHNICAL FEATURES

- ▶ **Long Life and Deep Discharge**  
Special alloy, thicker plate and new plate hardening technique improve battery design life even under deep discharge conditions
- ▶ **Safety Valve Technology**  
Two-layers bursting resistance and acid filter valve improve gas emission mechanism and prevent any danger of fire
- ▶ **Terminal Sealed Technology**  
Patented multilayer compound sealed technology give terminal reliable sealing performance throughout the whole battery life
- ▶ **High Rate Discharge Performance**  
Radial design of grid and active material formula improve high rate discharge performance
- ▶ **Low Self-discharge**  
Alloy formula, high-quality materials and clean manufacturing environment allows a longer shelf life

## APPLICABLE STANDARDS

- ▶ British Standard BS 6290 Part 4
- ▶ British Standard 6334 method FV0
- ▶ IEC 60896 Part 21-22
- ▶ UL Recognized



## PRODUCT FEATURES

- ▶ VRLA AGM sealed batteries
- ▶ Lead calcium technology
- ▶ Low self discharge
- ▶ Easy installation
- ▶ ABS container ( FV0 upon request )



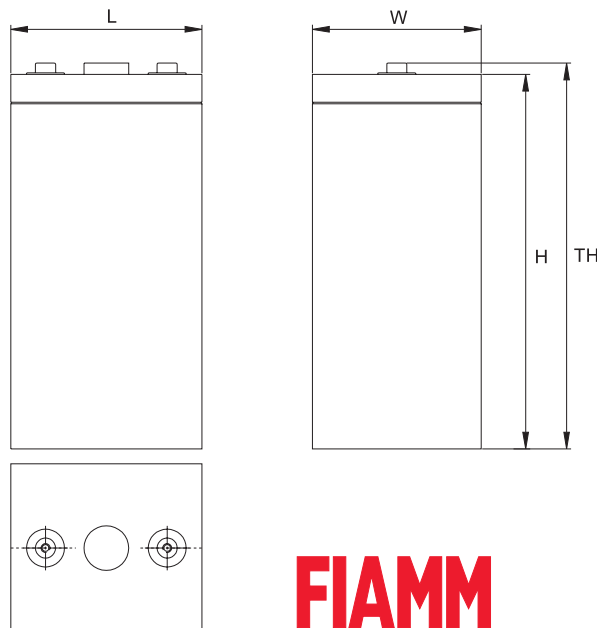
## ELECTRICAL CHARACTERISTICS

- ▶ **FLOAT VOLTAGE CHARGE AT 20°C:** 2.27 V/cell (13.62V for 12V bloc)
- ▶ **FLOAT VOLTAGE TEMPERATURE COMPENSATION:** -2.5 mV/°C
- ▶ **SELF DISCHARGE AT 20°C:** < 2% a month

## FIAMM GM RANGE

BATTERY TYPE	NOMINAL VOLTAGE (V)	NOMINAL CAPACITY 10 hrs to 1.80 VPC	DIMENSIONS (mm)			WEIGHT (kg)	TERMINAL POST NUMBER
			L	W	T/TH		
2 GM 100	2	100	174	74.5	210/223	6.2	1+1
2 GM 150	2	150	107	171	343/362	12	1+1
2 GM 200	2	200	107	171	343/362	14	1+1
2 GM 250	2	250	151	171	343/362	18	1+1
2 GM 300	2	300	151	171	343/362	20	1+1
2 GM 400	2	400	175	211	343/362	26	2+2
2 GM 450	2	450	174	240	343/362	31	2+2
2 GM 500	2	500	174	240	343/362	33	2+2
2 GM 600	2	600	177	302	334/362	41	2+2
2 GM 800	2	800	411	175	334/362	57	2+2
2 GM 800/8	2	800	411	175	334/362	57	4+4
2 GM 1000	2	1000	478	175	334/362	70	2+2
2 GM 1000/8	2	1000	478	175	334/362	70	4+4
2 GM 1200	2	1200	478	175	334/362	74	2+2
2 GM 1200/8	2	1200	478	175	334/362	74	4+4
2 GM 1500	2	1500	354	403	334/362	104	4+4
2 GM 2000	2	2000	350	490	340/350	122	8+8
2 GM 2500	2	2500	353	710	340/350	161	8+8
2 GM 3000	2	3000	353	710	340/350	185	8+8
12 GM 80	12	80	329	172	214/221	32	1+1
12 GM 100	12	100	407	173	220/225	38	1+1
12 GM 150	12	150	500	192	235/235	55	1+1
12 GM 180	12	180	500	226	235/235	62	1+1
12 GM 210	12	210	500	260	235/235	73	1+1

Note: Dimensions may have a natural tolerance of  $\pm 2$  mm.



**FIAMM**

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