

LM/S series



TECHNICAL FEATURES

Positive tubular plates: with a special low antimony lead-alloy for reduction in water loss and filling intervals

Negative plates: are of pasted grid type

Electrolyte: high purity sulphuric acid solution with a specific gravity of 1.24 (+/- 0.01) at 20°C

Separators: are made of high quality micro porous material

Containers: are constructed with transparent, impact and acid resistant plastic (SAN) material

Safety Vents: cells incorporate flame retardant ceramic plugs that filter out any drops of electrolyte from the escaping gases preventing any errant spark or flame from entering the battery

Terminals: female threaded terminal (M10) ensures 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 electric measurement

APPLICABLE STANDARDS

DIN 40736 part 1

IEC 61427

IEC 60896 part 11

PRODUCT FEATURES

Ideal for Renewable Energy

Cyclic applications and long discharge

Long life

Low maintenance

FIAMM's LM/S battery range is designed for cyclic application, requiring repeated charging and discharging operation.

The LM/S battery range is ideal for use with renewable energy, integrated with photovoltaic panels and wind turbines. Its tubular positive plates, the high reliability post seal and fully insulated cell connections guarantee a long life even in the worst operating conditions.

The LM/S is available in a wide range of capacities at 120 hours discharge.

FIAMM has a program of continuous improvement investing in manufacturing processes, equipment and technology.

FIAMM's Standby Battery manufacture is in compliance with ISO 9001 and ISO 14001 quality assurance. Our continuous investment in battery technology reflects in our premium products that are of the highest quality and reliability.

FIAMM's LM tubular vented lead acid batteries are the ideal energy source for many different standby applications.

FIAMM

Industrial Batteries

RENEWABLE ENERGY



LM/S series

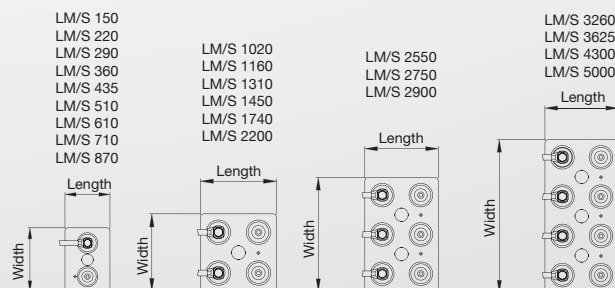
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Industrial Batteries

CELL TYPE	CAPACITY (Ah) at 20°C	CAPACITY (Ah) at 20°C	WEIGHT (kg) with electrolyte	ELECTROLYTE (Litres)	DIMENSIONS (mm)			TERMINALS +/-
	10 hrs to 1.80 VPC	120 hrs to 1.85 VPC			Length	Width	Height	
LM/S 150	110	150	14.2	4.4	103	206	420	1/1
LM/S 220	165	220	16.4	4.0	103	206	420	1/1
LM/S 290	220	290	17.7	3.8	103	206	420	1/1
LM/S 360	275	360	21.8	5.0	124	206	420	1/1
LM/S 435	330	435	25.2	5.7	145	206	420	1/1
LM/S 510	400	510	28.8	6.6	124	206	536	1/1
LM/S 610	480	610	33.1	7.5	145	206	536	1/1
LM/S 710	560	710	38.1	8.7	166	206	536	1/1
LM/S 870	660	870	47.3	12.8	145	206	711	1/1
LM/S 1020	770	1020	59.7	15.7	210	191	711	2/2
LM/S 1160	880	1160	63	13.5	210	191	711	2/2
LM/S 1310	990	1310	72.9	23.1	210	233	711	2/2
LM/S 1450	1.100	1450	75.9	18.5	210	233	711	2/2
LM/S 1740	1.320	1740	90.6	23.2	210	275	711	2/2
LM/S 2200	1.620	2200	115	27.7	210	275	861	2/2
LM/S 2550	1.890	2550	148	36.5	212	399	837	3/3
LM/S 2750	2.025	2750	151	35	212	399	837	3/3
LM/S 2900	2.160	2900	155	33.5	212	399	837	3/3
LM/S 3260	2.430	3260	184	45.8	212	487	837	4/4
LM/S 3625	2.700	3625	193	42.4	212	487	837	4/4
LM/S 4300	3.240	4300	226	55.3	212	576	837	4/4
LM/S 5000	3.780	5000	252	58	212	576	837	4/4

Electrical Characteristics

- ✚ NOMINAL VOLTAGE: 2 V
- ✚ FLOAT VOLTAGE AT 20°C: 2.23 V/cell
- ✚ BOOST RECHARGE: 2.4 V/cell
- ✚ SELF DISCHARGE: < 2% a month at 20°C



Lifetime in cyclic use at 20°C



RENEWABLE ENERGY

