FIAMM

Industrial Batteries

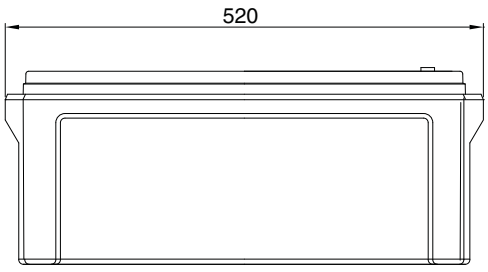
FG series

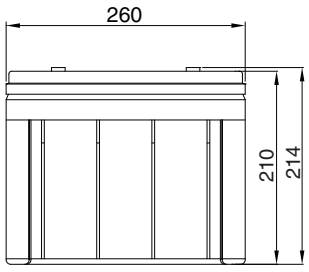
FG2M009

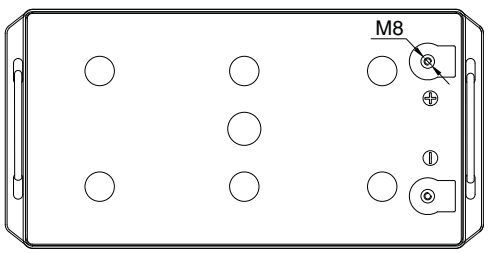
12 Volt
200 Ah

FG2M009 is a general purpose application battery. Within the FG range FIAMM offer 6V and 12V monoblocs at various amp hour capacities enable the right battery selection for each requirement. FIAMM is a Manufacturer of VRLA batteries and is supported by a dedicated sales network with market knowledge and experience of small sealed lead acid battery applications.

Features	
Nominal Voltage	12 Volt
Nominal Capacity	200 Ah 20 hours rate to 1.75 Vpc at 25 °C
Float charging voltage	13.50 - 13.80 V/bloc at 25 °C
Boost charge voltage	14.40 - 15.00 V/bloc at 25 °C
Float voltage compensation	-18mV/°C
Maximum charging current	50 A
Case	ABS with HB fiammability rate (according UL 94)
Internal resistance	1.6 mΩ in full charged condition
Weight	68.0 kg
Dimensions	L x W x H (TH): 520 x 260 x 210 (214)
Operative temperature range	-20 °C to 50 °C
Shelf life procedures	As batteries lose part of their capacity, during storage, due to self discharge. Fiamm recommends FG range of batteries can be stored for 6 months at an ambient temperature of 20 and 25 °C (see attached graph on reverse). Longer storage requires a recharge. This should be carried out in line with Fiamm recommended method; 2.4 V/cell for no longer than 24 hours at 20 °C

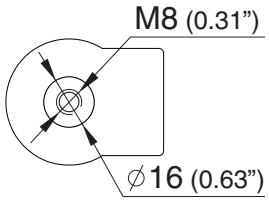






The dimensions have a tollerance of : ± 1%

Threaded inserted M8



SSLA Products

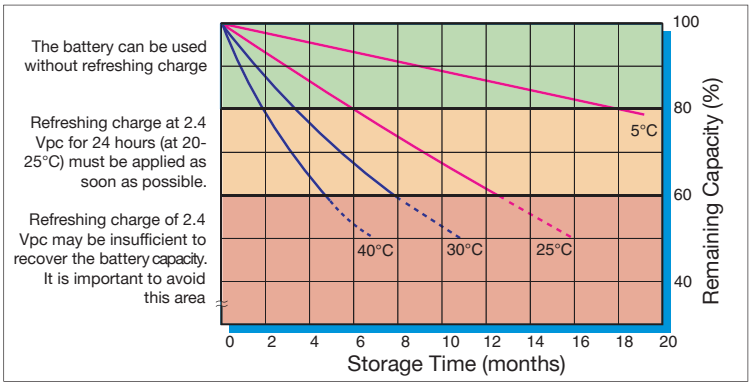
FG series

FG2M009
12 Volt
200 Ah

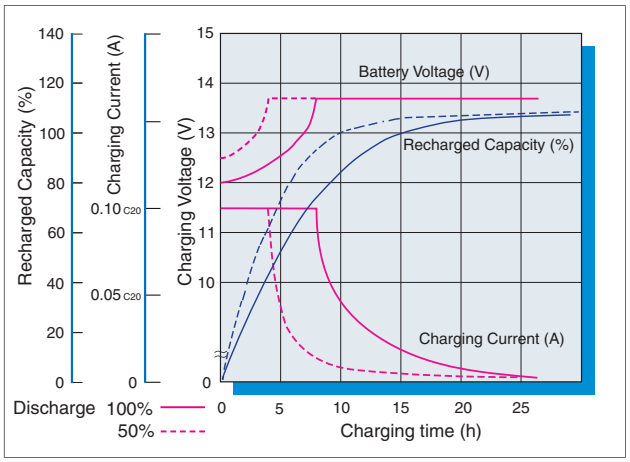
АИ30

MH27960

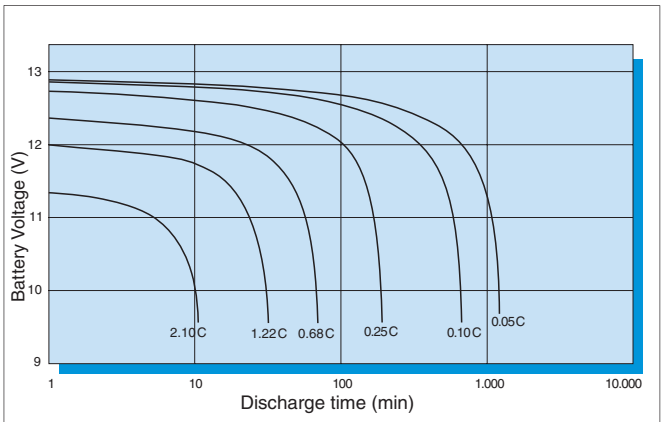
Capacity loss during storage at various temperatures



Battery Voltage and Charge Time for Standby Use (at 25°C)



Discharge curves at different current / final voltage (at 25°C)



Costant Current discharge table (Amperes)

End voltage	5 min	10 min	15 min	20 min	30 min	45 min	1 hour	2 hrs	3 hrs	5 hrs	10 hrs	20 hrs
9.60 V	645	468	379	312	232	167	131	72.6	51.6	33.7	19.1	10.2
9.90 V	618	452	371	304	227	164	129	71.8	51.0	33.4	18.9	10.2
10.02 V	599	444	362	300	225	163	128	71.3	50.7	33.3	18.9	10.2
10.20 V	579	435	353	296	222	161	127	70.8	50.3	33.1	18.8	10.2
10.50 V	540	410	335	282	215	157	125	69.9	49.6	32.8	18.6	10.1
10.80 V	495	379	316	269	207	152	121	68.5	48.5	31.9	18.3	9.75

Costant Power discharge table (Watts per bloc)

End voltage	5 min	10 min	15 min	20 min	30 min	45 min	1 hour	2 hrs	3 hrs	5 hrs	10 hrs	20 hrs
9.60 V	6653	4937	4042	3353	2521	1835	1449	813	581	383	219	118
9.90 V	6488	4846	4018	3316	2500	1823	1442	810	579	382	218	117
10.02 V	6343	4792	3952	3292	2487	1816	1438	808	577	381	217	117
10.20 V	6199	4738	3885	3269	2475	1808	1434	806	575	380	217	117
10.50 V	5894	4539	3743	3162	2430	1786	1424	803	571	379	215	117
10.80 V	5514	4277	3588	3067	2376	1755	1402	796	566	373	214	114

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