

# FG28009

# FIAMM

FIAMM Sealed Power

## FG series

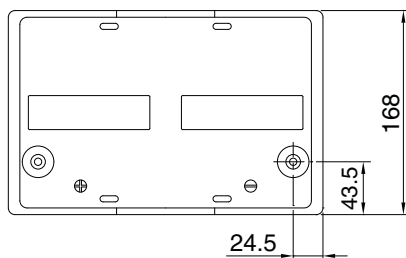
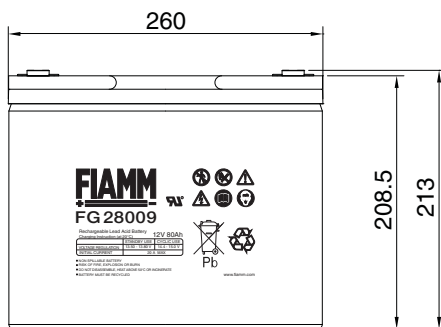
FG28009 is a general purpose application battery. Within the FG range Fiamm offer 6V and 12V monoblocs at various amp hour capacities enable the right battery selection for each requirement. FIAMM Sealed Power is a Manufacturer of VRLA batteries; and is supported by a dedicated sales network with market knowledge and experience of small sealed lead acid battery applications.

**12 Volt  
80 Ah**



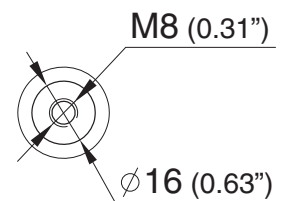
### Features

Nominal Voltage	12 Volt
Nominal Capacity	80 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	20 A
Case	ABS with HB fiammability rate (according UL 94)
Internal resistance	4.5 mΩ in full charged condition
Weight	27.20 kg
Dimensions	L x W x H (TH): 260 x 168 x 208 (213)
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 Sealed Power 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 Sealed Power recommended method; 2.4 V/cell for no longer than 24 hours at 20 °C



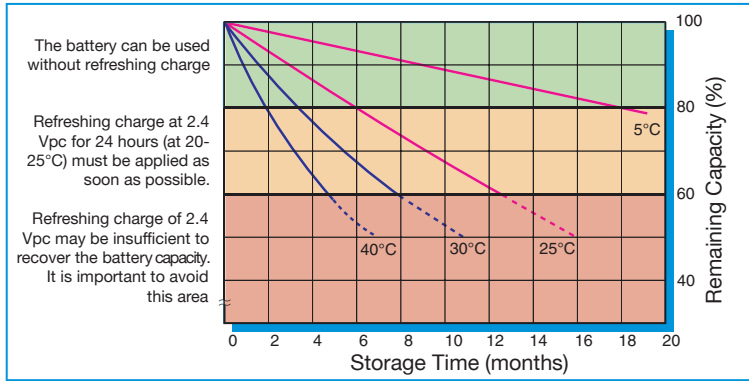
The dimensions have a tolerance of : ± 1%

Threaded inserted M8

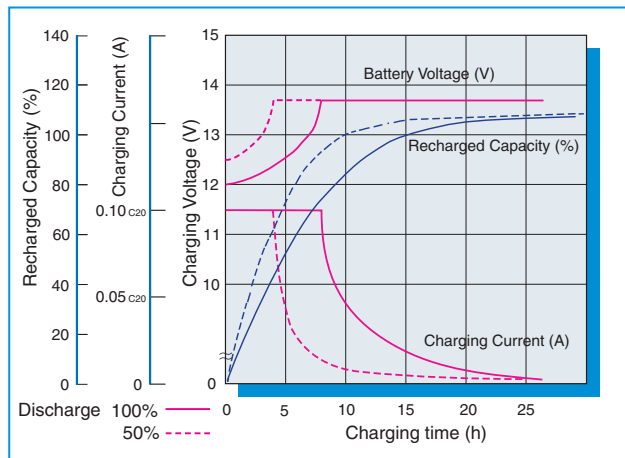




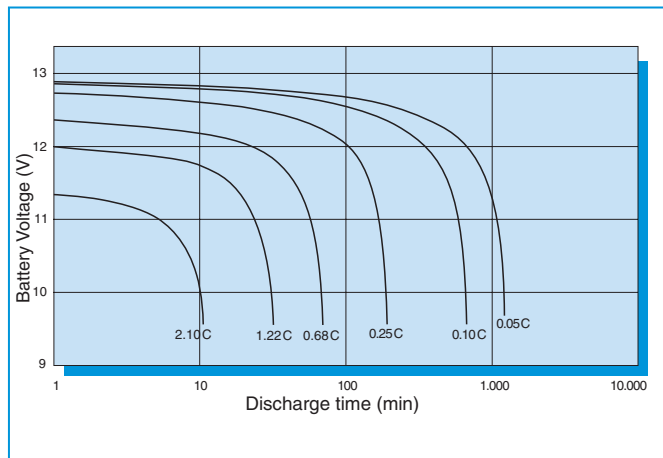
### Capacity loss during storage at various temperatures



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 hour	3 hour	5 hour	10 hour	20 hour
9,60 V	258	187	151	125	92,8	66,9	52,5	29,1	20,6	13,5	7,63	4,08
9,90 V	247	181	148	122	90,9	65,8	51,7	28,7	20,4	13,4	7,58	4,07
10,02 V	239	177	145	120	89,9	65,1	51,3	28,5	20,3	13,3	7,55	4,07
10,20 V	232	174	141	118	88,8	64,4	50,9	28,3	20,1	13,2	7,52	4,06
10,50 V	216	164	134	113	86,1	62,9	50,0	28,0	19,8	13,1	7,43	4,04
10,80 V	198	152	126	108	82,9	61,0	48,6	27,4	19,4	12,8	7,30	3,90

### Costant Power discharge table (Watts per bloc)

end voltage	5 min	10 min	15 min	20 min	30 min	45 min	1 hour	2 hour	3 hour	5 hour	10 hour	20 hour
9,60 V	2661	1975	1617	1341	1009	734	580	325	233	153	87,4	47,0
9,90 V	2595	1938	1607	1326	1000	729	577	324	231	153	87,0	47,0
10,02 V	2537	1917	1581	1317	995	726	575	323	231	152	86,9	47,0
10,20 V	2480	1895	1554	1307	990	723	574	322	230	152	86,7	46,9
10,50 V	2357	1816	1497	1265	972	714	569	321	229	152	86,1	46,9
10,80 V	2206	1711	1435	1227	951	702	561	318	226	149	85,5	45,7