

FG24204

FIAMM

FIAMM Sealed Power

FG series

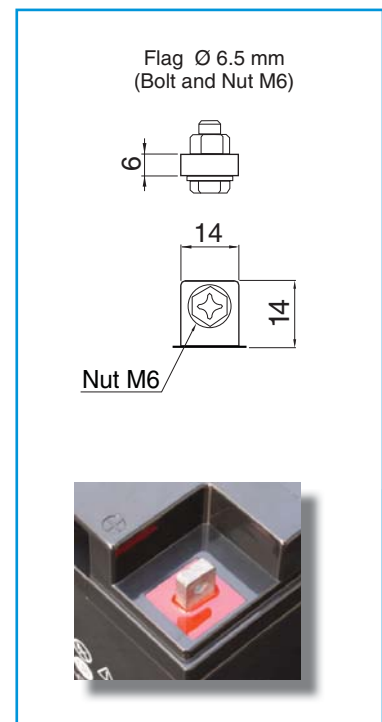
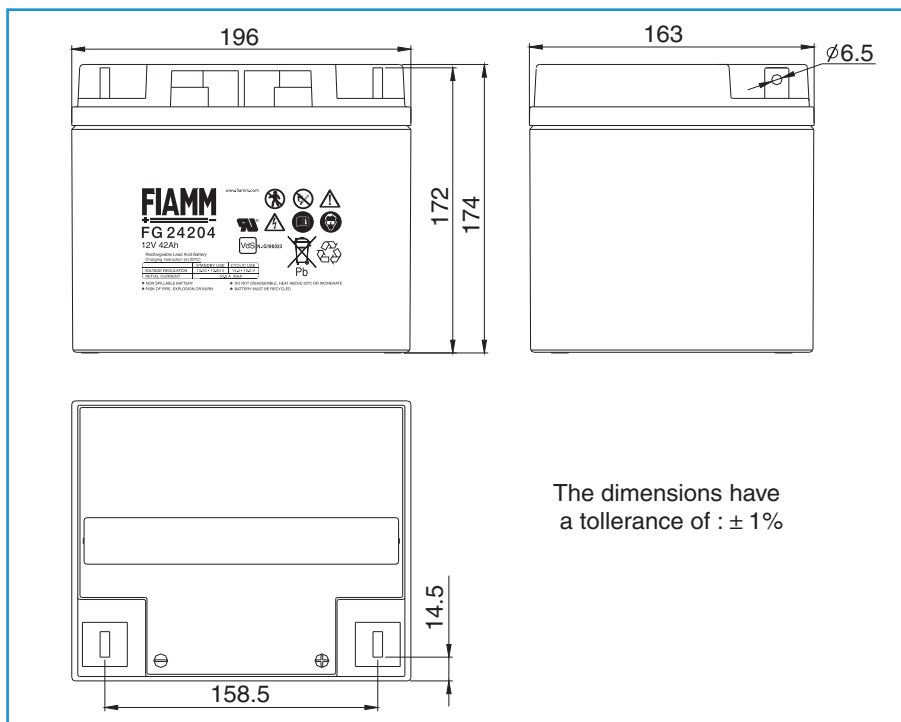
FG24204 is a general purpose application battery. Within the FG range Fiamm offer 6V and 12V monoblocs at various amp hour capacities enable the right battery selection for each requirement. FIAMM Sealed Power is a Manufacturer of VRLA batteries; and is supported by a dedicated sales network with market knowledge and experience of small sealed lead acid battery applications.

**12 Volt
42 Ah**

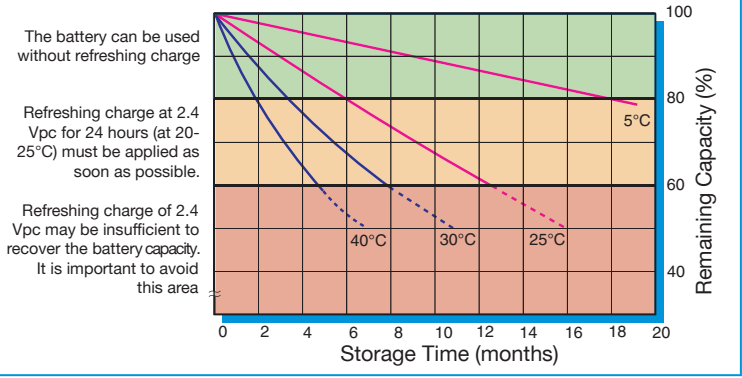


Features

Nominal Voltage	12 Volt
Nominal Capacity	42 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	10.5 A
Case	ABS with HB fiammability rate (according UL 94)
Internal resistance	4.6 mΩ in full charged condition
Weight	13.8 kg
Dimensions	L x W x H (TH): 196 x 163 x 174 (172)
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



Capacity loss during storage at various temperatures

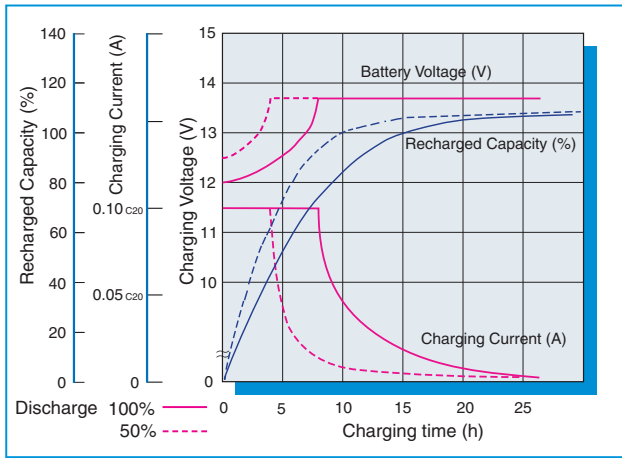




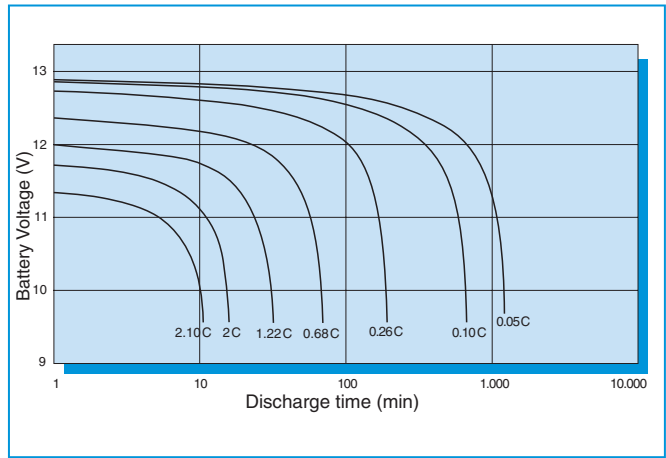
VdS N.:G196023



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
09.60	151	103	78.1	63.4	47.4	34.3	26.9	14.7	10.6	7.04	3.91	2.17
09.90	146	101	76.5	62.7	46.9	34.0	26.7	14.6	10.5	6.97	3.87	2.16
10.02	143	99.3	75.7	62.2	46.6	33.6	26.5	14.5	10.4	6.93	3.85	2.14
10.20	138	97.5	74.8	61.7	46.1	33.3	26.2	14.4	10.3	6.89	3.82	2.12
10.50	133	94.8	73.0	60.6	45.2	32.7	25.8	14.2	10.2	6.77	3.76	2.10
10.80	121	88.5	69.2	57.0	42.4	31.0	24.6	13.6	9.83	6.59	3.68	2.04

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
09.60	1510	1056	817	676	517	381	303	168	122	81.4	45.4	25.2
09.90	1469	1040	806	673	513	379	301	167	121	81.0	45.1	25.2
10.02	1440	1027	799	668	511	376	299	166	120	80.7	44.9	25.1
10.20	1390	1011	792	664	506	372	297	165	119	80.3	44.7	25.0
10.50	1346	986	776	656	499	367	293	163	118	79.3	44.4	24.9
10.80	1230	924	740	620	471	350	280	158	115	77.5	43.5	24.3

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