

FG10381

FIAMM
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SSLA Products
FG series

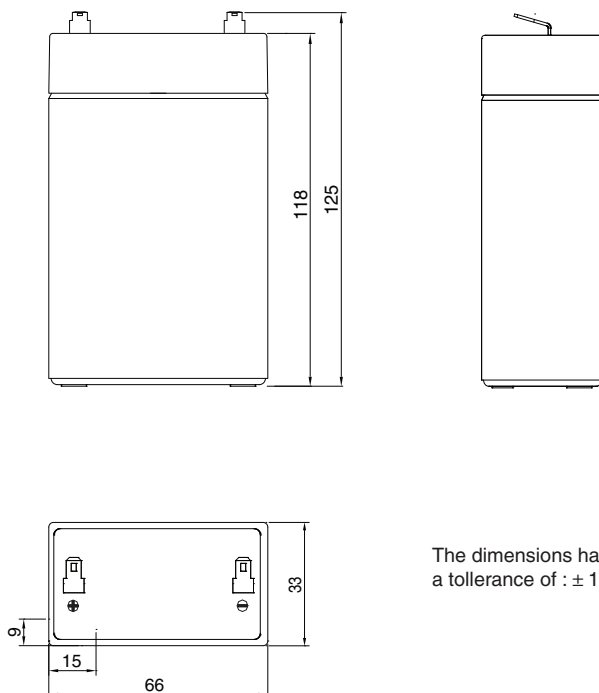
FG10381 is a general purpose application battery. Within the FG range Fiamm offer 6V and 12V monoblocs at various amp hour capacities enable the right battery selection for each requirement. FIAMM is a Manufacturer of VRLA batteries; and is supported by a dedicated sales network with market knowledge and experience of small sealed lead acid battery applications.

6 Volt
3.8 Ah

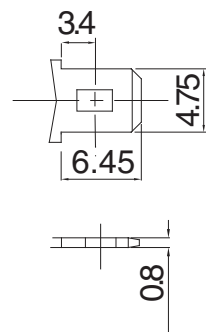


Features

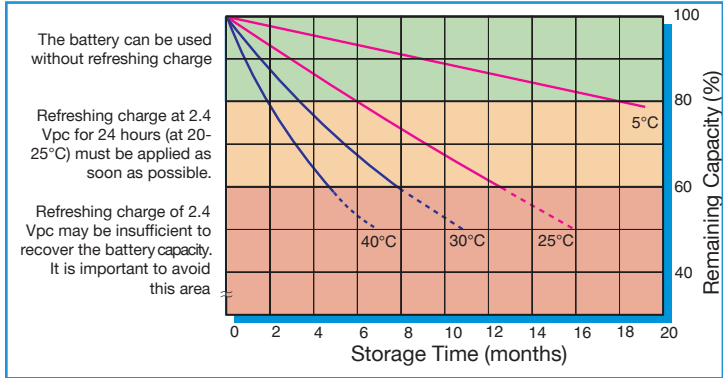
Nominal Voltage	6 Volt
Nominal Capacity	3.8 Ah at 20 hours rate to 1.75 Vpc at 25 °C
Float charging voltage	6.75 - 6.90 V/bloc at 25 °C
Boost charge voltage	7.20 - 7.50 V/bloc at 25 °C
Float voltage compensation	-18mV/°C
Maximum charging current	0.95 A
Case	ABS with HB flammability rate (according UL94)
Internal resistance	20.8 mΩ in full charged condition
Weight	0.720 kg
Dimensions	L x W x H (TH): 66 x 33 x 118 (125)
Operative temperature range	-20 °C to 50 °C
Storage	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



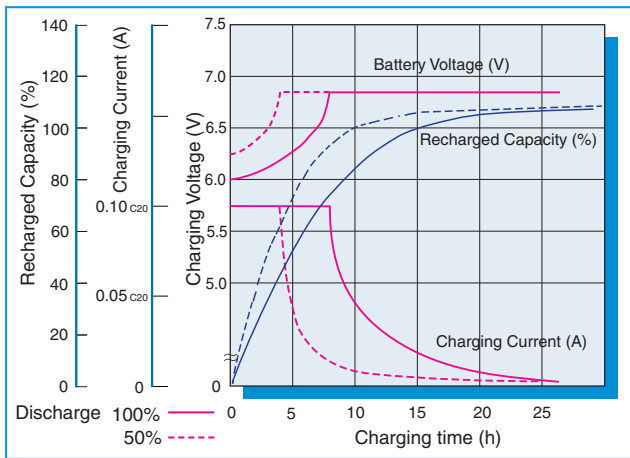
Faston 4.8 mm



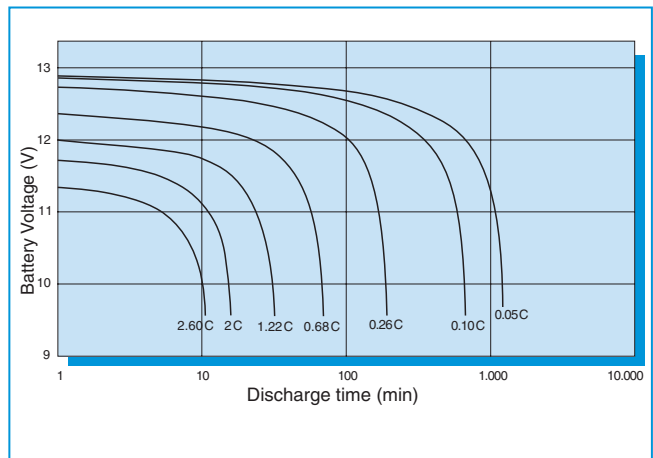
Capacity loss during storage at various temperatures



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



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



Constant 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
4.80 V	11.8	7.95	6.25	5.17	3.96	2.93	2.38	1.35	0.96	0.62	0.35	0.20
4.95 V	11.0	7.63	6.03	5.05	3.88	2.87	2.34	1.34	0.95	0.62	0.35	0.20
5.01 V	10.7	7.48	5.92	4.98	3.82	2.84	2.32	1.33	0.95	0.61	0.34	0.20
5.10 V	10.4	7.32	5.81	4.92	3.76	2.81	2.29	1.31	0.94	0.61	0.34	0.19
5.25 V	9.79	6.99	5.55	4.67	3.62	2.73	2.24	1.29	0.92	0.60	0.34	0.19
5.40 V	9.27	6.66	5.33	4.45	3.50	2.64	2.13	1.23	0.88	0.57	0.33	0.19

Constant 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
4.80 V	59.3	41.4	33.2	27.8	21.7	16.3	13.4	7.70	5.51	3.59	2.02	1.15
4.95 V	55.4	39.8	32.0	27.2	21.2	16.0	13.2	7.66	5.48	3.58	2.01	1.15
5.01 V	53.9	39.1	31.5	26.9	20.9	15.9	13.1	7.61	5.46	3.57	2.01	1.14
5.10 V	52.4	38.3	31.0	26.6	20.7	15.7	13.0	7.54	5.45	3.57	2.01	1.14
5.25 V	49.4	36.6	29.7	25.3	20.0	15.4	12.7	7.42	5.37	3.51	1.99	1.13
5.40 V	47.0	35.1	28.7	24.3	19.4	14.9	12.1	7.14	5.16	3.36	1.93	1.11

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