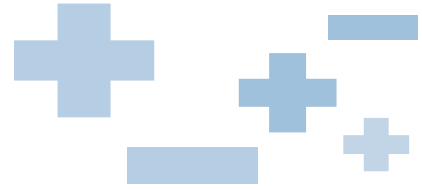


# FIAMM

Industrial Batteries

# FG series



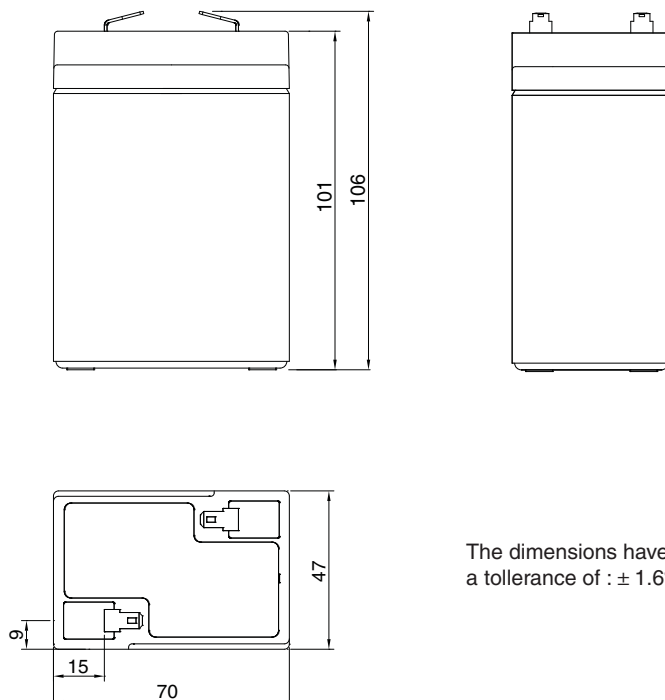
## FG10501

### 6 Volt 5.0 Ah

FG10501 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.

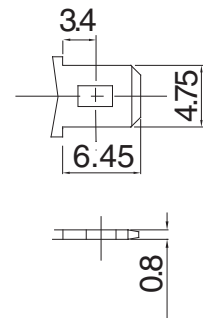
#### Features

Nominal Voltage	6 Volt
Nominal Capacity	5.0 Ah 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	1.25 A
Case	ABS with HB flammability rate (according UL 94)
Internal resistance	15.8 mΩ in full charged condition
Weight	0.820 kg
Dimensions	L x W x H (TH): 70 x 47 x 100 (106)
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 tolerance of : ± 1.6%

Faston 4.8 mm



# SSLA Products

## FG10501

### 6 Volt

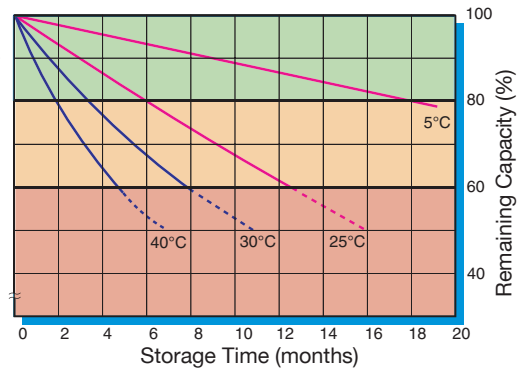
### 5.0 Ah

Capacity loss during storage at various temperatures

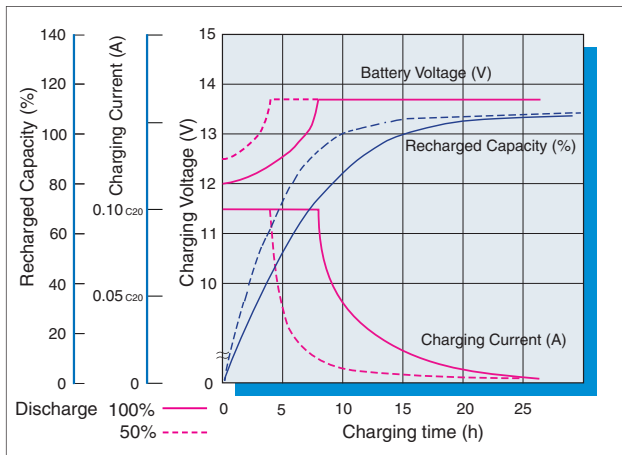
The battery can be used without refreshing charge

Refreshing charge at 2.4 Vpc for 24 hours (at 20-25°C) must be applied as soon as possible.

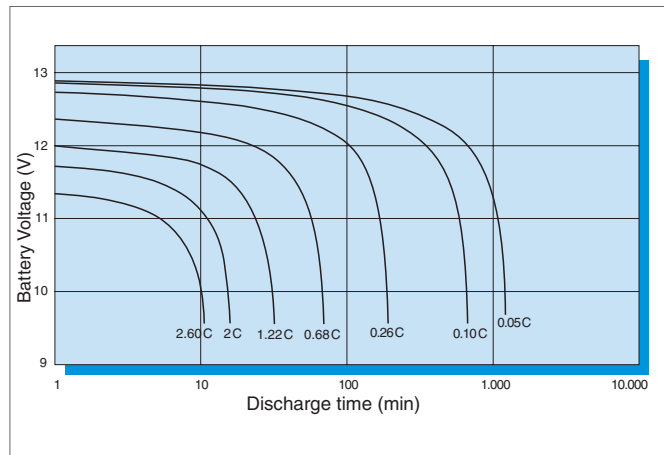
Refreshing charge of 2.4 Vpc may be insufficient to recover the battery capacity. It is important to avoid this area



### 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
4.80 V	16.3	11.4	8.51	6.86	4.84	3.51	2.79	1.67	1.23	0.83	0.47	0.26
4.95 V	16.0	11.2	8.45	6.81	4.82	3.50	2.78	1.66	1.23	0.83	0.47	0.26
5.01 V	15.8	11.1	8.37	6.75	4.79	3.49	2.77	1.66	1.22	0.82	0.47	0.26
5.10 V	15.2	10.8	8.20	6.62	4.75	3.46	2.75	1.65	1.21	0.82	0.46	0.26
5.25 V	14.2	10.1	7.84	6.35	4.65	3.41	2.71	1.63	1.20	0.80	0.46	0.25
5.40 V	13.1	9.48	7.38	6.00	4.46	3.20	2.56	1.49	1.10	0.75	0.44	0.25

### 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
4.80 V	81.5	59.2	45.1	36.8	26.4	19.5	15.7	9.52	7.09	4.81	2.73	1.51
4.95 V	80.5	58.7	44.9	36.7	26.4	19.5	15.7	9.51	7.07	4.81	2.72	1.51
5.01 V	79.3	58.0	44.5	36.4	26.3	19.5	15.6	9.49	7.04	4.78	2.72	1.50
5.10 V	76.7	56.3	43.7	35.7	26.1	19.3	15.5	9.45	7.00	4.77	2.71	1.50
5.25 V	71.5	53.0	41.9	34.5	25.6	19.1	15.4	9.38	6.96	4.71	2.68	1.49
5.40 V	66.6	49.9	39.7	32.8	24.8	18.1	14.6	8.63	6.45	4.44	2.59	1.46