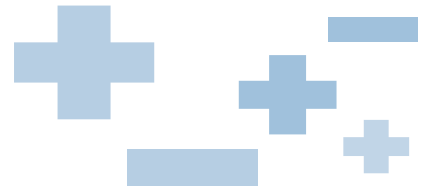


**FIAMM**

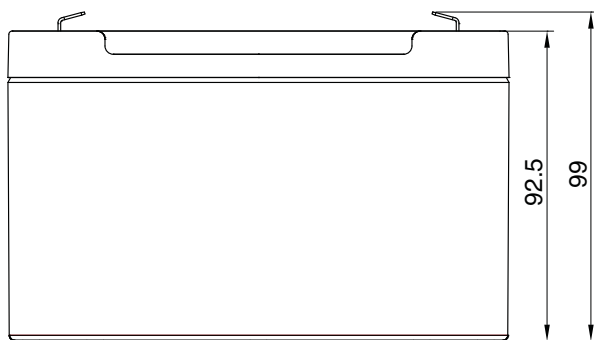
Industrial Batteries

**FG**  
series**FG11201****6 Volt  
12 Ah**

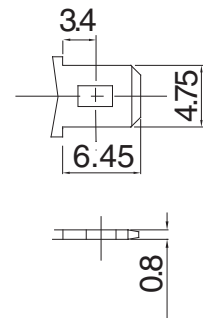
FG11201 is a general purpose application battery. Within the FG range FIAMM offer 6V and 12V monoblocs at various amp hour capacities enable the right battery selection for each requirement. FIAMM is a Manufacturer of VRLA batteries and is supported by a dedicated sales network with market knowledge and experience of small sealed lead acid battery applications.

**Features**

Nominal Voltage	6 Volt
Nominal Capacity	12 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	3 A
Case	ABS with HB flammability rate (according UL 94)
Internal resistance	6.6 mΩ in full charged condition
Weight	1.9 kg
Dimensions	L x W x H (TH): 151 x 50 x 94 (99)
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**

## FG11201 6 Volt 12 Ah

Capacity loss  
during storage  
at various  
temperatures



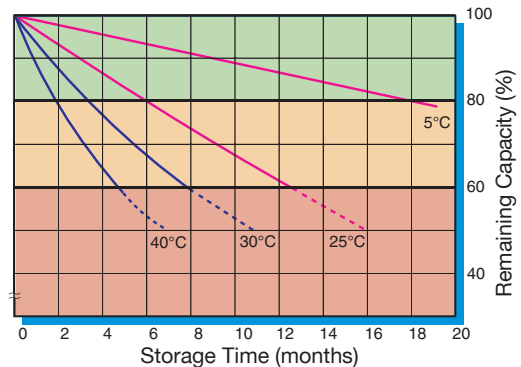
VdS N.:G192001



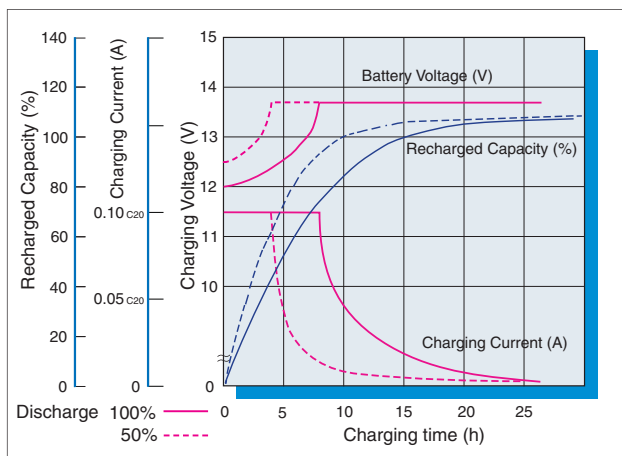
The battery can be used  
without refreshing charge

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

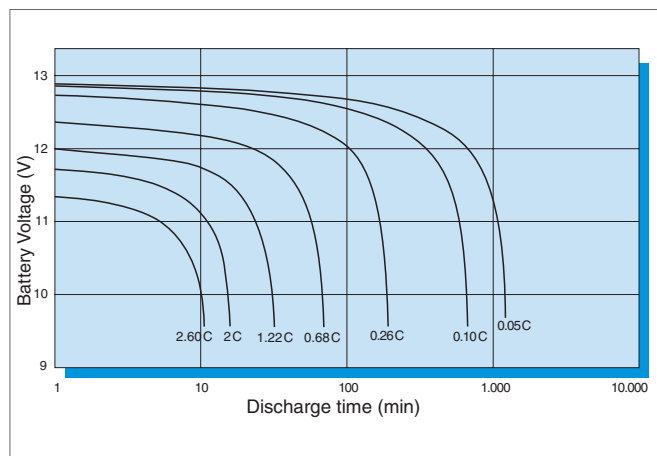
Refreshing charge of 2.4  
Vpc may be insufficient to  
recover the battery capacity.  
It is important to avoid  
this area



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	39.1	27.6	21.1	17.0	12.6	9.34	7.48	4.28	3.16	2.03	1.13	0.62
4.95 V	38.0	26.9	20.7	16.7	12.5	9.21	7.42	4.23	3.14	2.02	1.12	0.62
5.01 V	37.0	26.3	20.4	16.5	12.3	9.10	7.32	4.20	3.12	2.01	1.12	0.62
5.10 V	35.6	25.7	20.1	16.4	12.1	8.99	7.22	4.14	3.08	1.99	1.11	0.61
5.25 V	33.9	24.4	19.1	15.7	11.8	8.77	7.03	4.05	3.03	1.96	1.09	0.60
5.40 V	31.4	22.9	17.8	14.7	11.1	8.36	6.77	3.93	2.86	1.86	1.06	0.59

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	195	142	110	90.7	69.0	52.0	42.1	24.4	18.2	11.7	6.54	3.62
4.95 V	191	139	109	89.4	68.3	51.4	41.9	24.2	18.1	11.7	6.54	3.62
5.01 V	186	136	108	88.7	67.5	50.8	41.3	24.1	18.0	11.7	6.52	3.61
5.10 V	179	133	106	88.0	66.7	50.3	40.8	23.7	17.8	11.6	6.50	3.60
5.25 V	171	127	101	84.6	64.9	49.2	39.9	23.4	17.6	11.5	6.44	3.58
5.40 V	160	120	95.1	80.2	61.9	47.2	38.5	22.8	16.7	10.9	6.25	3.51