

# FGH21202

# FIAMM

FIAMM Sealed Power  
**FGH series**

Fiamm FGH21202, is a high rate battery specifically designed for UPS applications. Fiamm FG range of batteries ensure the correct battery is supplied to the appropriate application. Fiamm S.P.A. is a Global manufacturer of Lead Acid technology batteries and these products are supported by Fiamm's sales network with vast market knowledge & experience of Standby Lead Acid battery applications.

**12 Volt**  
**12 Ah**

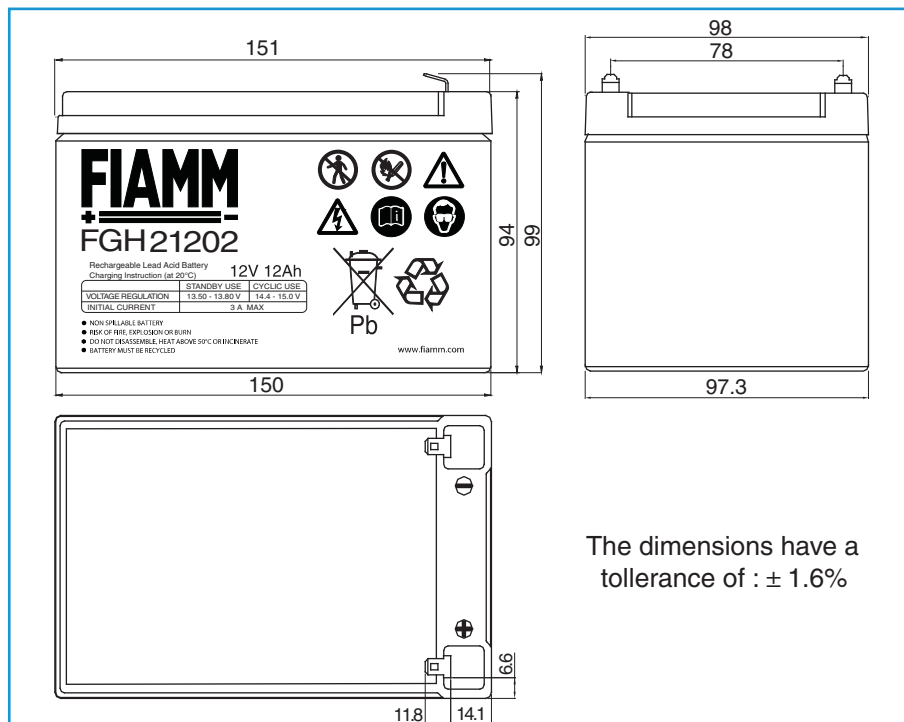


## Features

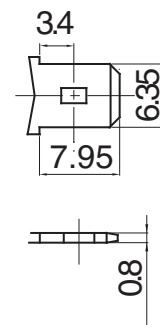
Nominal Voltage	12 Volt
Nominal Capacity	12 Ah at 20 hours rate to 1.75 Vpc at 25 °C
Float charging voltage	13.50 - 13.80 V/bloc at 25 °C
Boost charge voltage	14.40 - 15.00 V/bloc at 25 °C
Float voltage compensation	-18mV/°C
Maximum charging current	3 A
Case	ABS with HB flammability rate (according UL94)
Internal resistance	14.8 mΩ in full charged condition
Weight	4.20 kg
Dimensions	L x W x H (TH): 151 x 98 x 94 (99)
Operative temperature range	-20 °C to 50 °C

## Storage

As batteries lose part of their capacity, during storage, due to self discharge. Fiamm Sealed Power recommends FGH 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



## Faston 6.3 mm



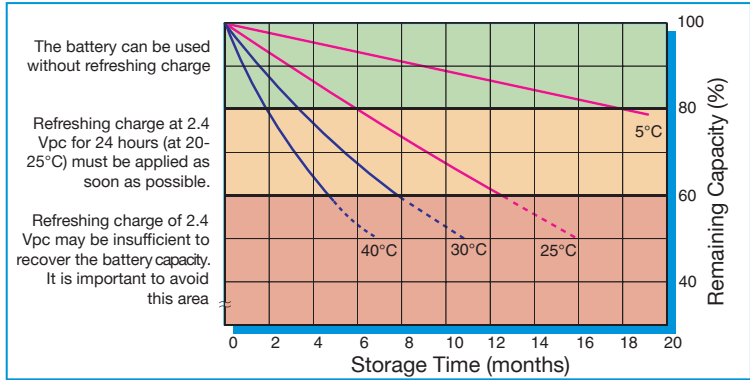


AI30

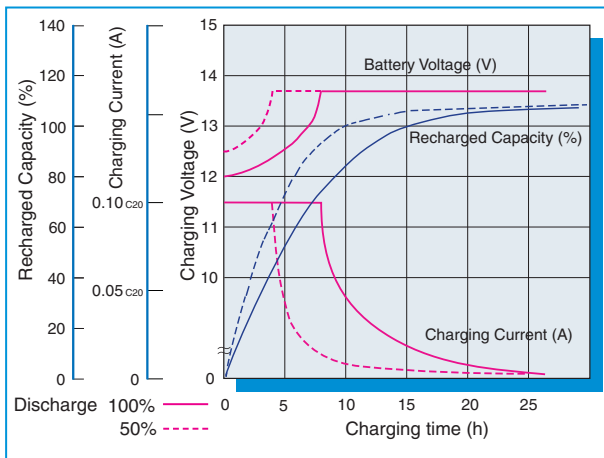


MH27960

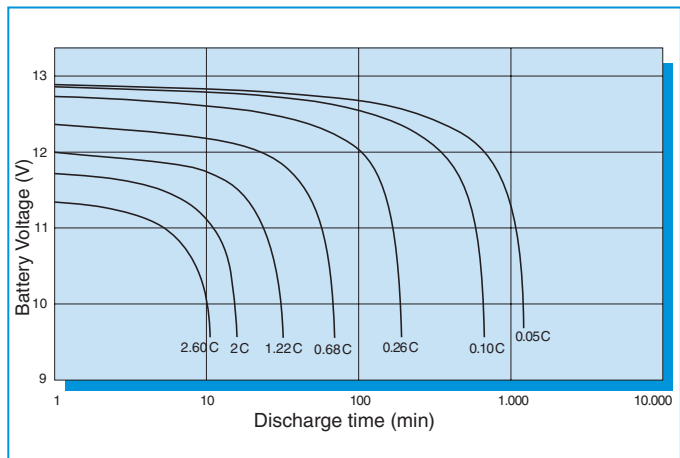
### Capacity loss during storage at various temperatures



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) at 25 °C

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
09.60	44.9	29.8	22.3	18.0	13.1	9.57	7.65	4.31	3.10	2.02	1.10	0.60
09.90	43.4	29.1	21.9	17.7	13.0	9.45	7.56	4.26	3.07	1.99	1.09	0.60
10.02	42.7	28.7	21.6	17.5	12.9	9.40	7.52	4.22	3.05	1.98	1.08	0.59
10.20	41.5	28.3	21.4	17.4	12.8	9.36	7.47	4.19	3.03	1.96	1.07	0.59
10.50	39.8	27.5	20.8	17.0	12.6	9.24	7.38	4.11	2.97	1.93	1.05	0.58
10.80	37.9	26.7	20.4	16.7	12.4	9.08	7.28	4.04	2.93	1.89	1.03	0.57

Constant Power discharge table (Watts per bloc) at 25 °C

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
09.60	448	306	233	192	144	106	86.0	49.2	35.6	23.3	12.8	7.01
09.90	436	301	230	190	142	105	85.3	48.7	35.4	23.1	12.7	6.96
10.02	429	297	228	188	141	105	84.9	48.4	35.2	23.0	12.6	6.93
10.20	418	293	226	187	141	105	84.5	48.0	35.0	22.9	12.5	6.90
10.50	402	286	222	184	139	104	83.7	47.4	34.6	22.6	12.4	6.87
10.80	384	278	218	181	137	102	82.9	46.8	34.2	22.2	12.2	6.82