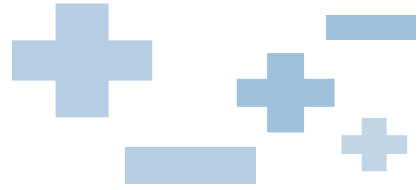


# FIAMM

Industrial Batteries

# FGH

series



## 12FGH50

### 12 Volt 12 Ah

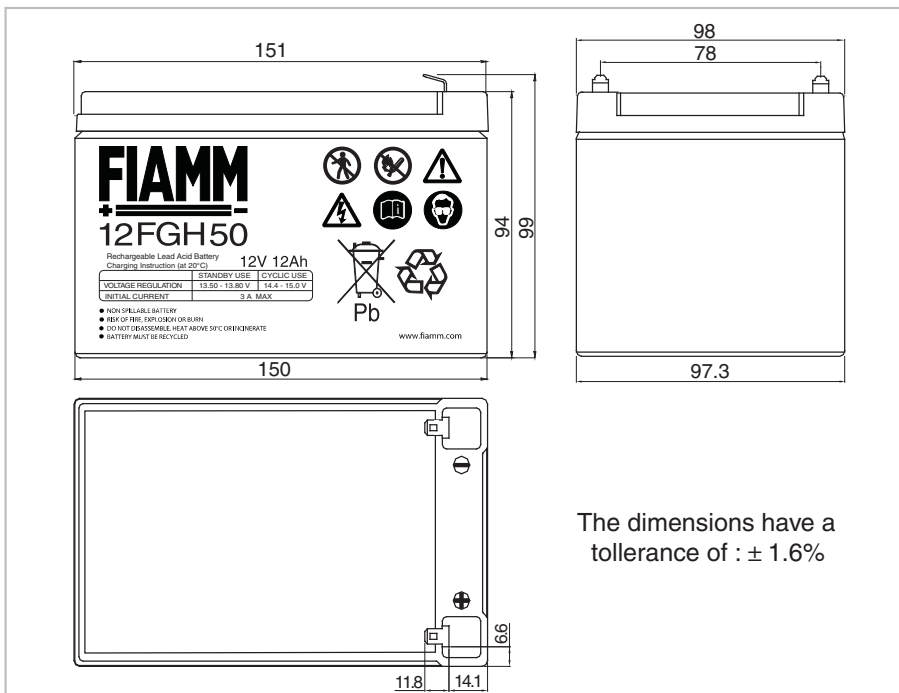
[На WEB-страницу товара](#)

Fiamm 12FGH50, is an high rate battery specifically designed for UPS applications. Fiamm FGH range of batteries ensure the correct battery is supplied to the appropriate application. 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.

SSLA Products

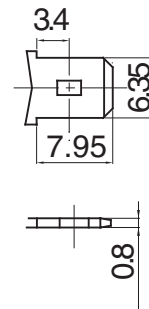
#### Features

Nominal Voltage	12 Volt
Nominal Capacity	50.7 W @ 15 min-rate to 1.6 Vpc at 25 °C 12.0 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	3.00 A
Case	ABS with HB flammability rate (according UL 94)
Internal resistance	14.8 mΩ in full charged condition
Weight	4.10 kg
Dimensions	L x W x H (TH): 151 x 98 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 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 recommended method; 2.4 V/cell for no longer than 24 hours at 20 °C



The dimensions have a tolerance of : ± 1.6%

Faston 6.3 mm



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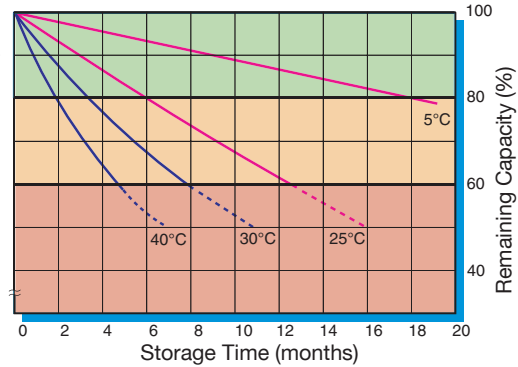
**12FGH50**  
**12 Volt**  
**12 Ah**

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

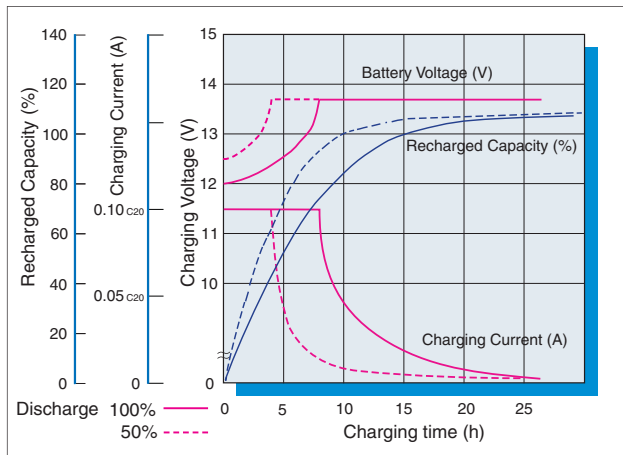


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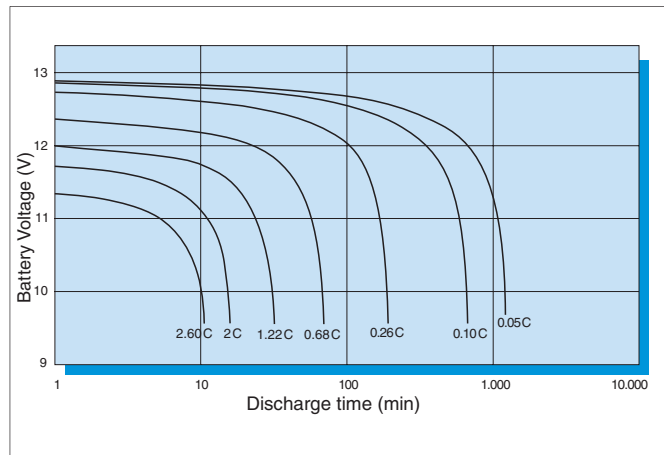


MH27960

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
9.60 V	57.0	39.0	29.0	23.1	16.5	11.6	8.52	4.60	3.24	2.08
9.90 V	56.5	38.5	28.7	22.8	16.4	11.5	8.46	4.56	3.21	2.06
10.02 V	56.2	38.3	28.5	22.7	16.3	11.5	8.42	4.54	3.20	2.05
10.20 V	55.7	37.9	28.1	22.5	16.2	11.4	8.36	4.49	3.17	2.04
10.50 V	54.6	37.1	27.4	22.0	15.9	11.2	8.22	4.38	3.10	2.01
10.80 V	53.0	36.0	26.5	21.4	15.5	11.0	8.07	4.31	2.99	1.90

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
9.60 V	569	399	304	246	180	129	95.8	52.4	37.2	24.0
9.90 V	567	398	303	245	179	128	95.5	52.2	37.0	23.9
10.02 V	565	396	301	244	179	128	95.2	51.9	36.9	23.9
10.20 V	560	393	298	242	178	127	94.5	51.5	36.6	23.8
10.50 V	551	386	292	237	175	126	93.3	50.6	36.1	23.5
10.80 V	538	375	284	233	172	124	91.9	49.9	34.9	22.4