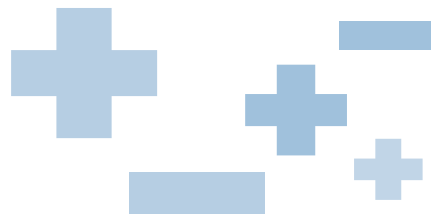


# FIAMM

Industrial Batteries

# FGH

series



## Valve Regulated lead-acid batteries

- Special design for **UPS application**;
- Suitable also for Security Systems, toys and light traction application;
- Top performance for High rate discharge;
- High consistency and reliability;

**Case Material:** ABS UL-94

**Life Expectancy:** 5 years according to Eurobat standards

Model	Nominal voltage (V)	Capacity (Ah) Discharge 20 h rate 1.75V/cell.	Weight (gr)	Dimensions (mm)				Internal Resistance (of full charged Battery)	Max discharge current 5" (A)	Temp. (°C)			Charge Voltage (V)		Max charge current (A)	Terminal Type
				L	W	H	TH			Charge	Discharge	Storage	Float Use	Cyclic Use		
12FGH23slim	12	5.0	2000	151	51	95	101	37 mΩ	75	0 ÷ 40	-20 ÷ 50	-20 ÷ 50	13.5 ÷ 13.8	14.4 ÷ 14.7	1.25	FAST-ON 4.8
12FGH23	12	5.0	2000	90	70	101	107	37 mΩ	75						1.25	FAST-ON 6.3
12FGH36	12	9.0	2800	151	65	94	100	23.6 mΩ	135						2.25	FAST-ON 6.3
12FGH50	12	12	4200	151	98	95	100	14.8 mΩ	180						3.00	FAST-ON 6.3
12FGH65	12	18	6380	181	76	167	167	9.8 mΩ	278						4.50	FLAG Ø 5.5

## Terminal Type

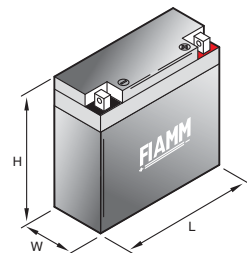
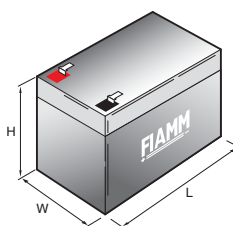
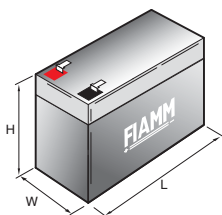
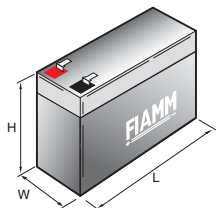
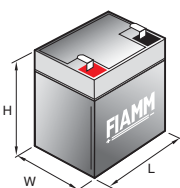
12FGH23

12FGH23slim

12FGH36

12FGH50

12FGH65



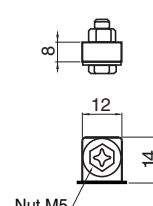
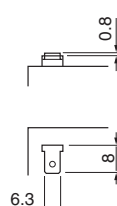
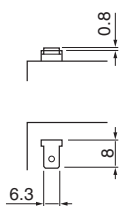
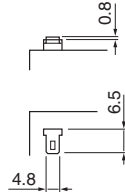
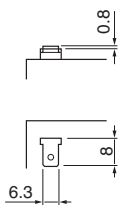
■ Faston 6.3

■ Faston 4.8

■ Faston 6.3

■ Faston 6.3

■ Flag M5



# FGH series

## Constant Power discharge table (Watts per bloc)

Temperature: 25°C

### 12FGH23

Final Voltage	5 min	10 min	15 min	20 min	30 min	45 min	1 hour
1.6 V/Cell	248	179	133	107	79.2	57.8	46.2
1.67 V/Cell	242	173	131	106	78.7	57.6	46.1
1.7 V/Cell	235	169	129	105	78.0	57.3	45.9
1.8 V/Cell	211	154	120	100	75.6	54.5	43.4

### 12FGH36

Final Voltage	5 min	10 min	15 min	20 min	30 min	45 min	1 hour
1.6 V/Cell	407	285	217	176	129	92.0	68.4
1.67 V/Cell	403	283	215	174	128	91.5	68.0
1.7 V/Cell	400	281	213	173	127	90.9	67.5
1.8 V/Cell	384	268	203	166	123	88.6	65.6

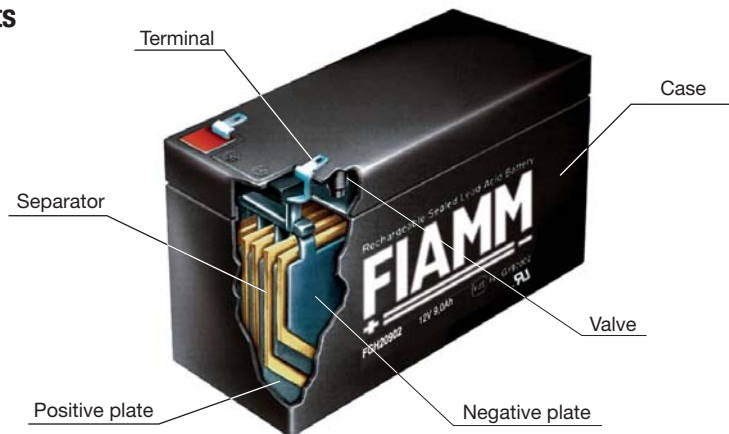
### 12FGH50

Final Voltage	5 min	10 min	15 min	20 min	30 min	45 min	1 hour
1.6 V/Cell	569	399	304	246	180	128.8	89.0
1.67 V/Cell	565	396	301	244	179	128.0	88.4
1.7 V/Cell	560	393	298	242	178	127.3	87.8
1.8 V/Cell	538	375	284	233	172	124.1	85.3

### 12FGH65

Final Voltage	5 min	10 min	15 min	20 min	30 min	45 min	1 hour
1.6 V/Cell	672	459	350	288	215	160	129
1.67 V/Cell	643	446	342	283	212	158	127
1.7 V/Cell	627	439	339	281	211	157	127
1.8 V/Cell	577	418	327	272	206	154	124

## Battery Components



FIAMM reserves the right to change or revise without notice any information or detail given in this publication  
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