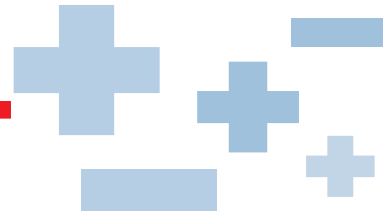


FIAMM

Industrial Batteries

FGHL

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;

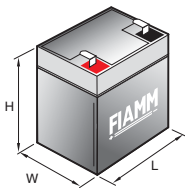
Case Material: ABS UL94V-0 (flame retardant plastic)

Life Expectancy: 10 years according to Eurobat standards

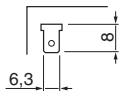
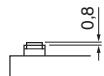
Type	Nominal voltage (V)	CAPACITY (Ah) Discharge 20 h rate 1.75V/cell.	Weight (gr)	DIMENSION (mm)				Internal Resistance (of full charged Battery)	Max discharge current 5" (A)	TEMP. (°C)			Charge Voltage (V)		Max charge current (A)	Terminal Type
				L	W	H	TH			Charge	Discharge	Storage	Cyclic Use	Float Use		
12FGHL22	12	5.0	2000	90	70	102	106	37 mΩ	70	0 ÷ 40 -20 ÷ 50 -20 ÷ 50	14.4 ÷ 14.7	13.5 ÷ 13.8	1.25	FAST-ON 6.3		
12FGHL28	12	7.2	2650	151	65	94	99	24.6 mΩ	102				1.80	FAST-ON 6.3		
12FGHL34	12	9.0	2700	151	65	94	99	23.6 mΩ	128				2.25	FAST-ON 6.3		
12FGHL48	12	12	4200	151	98	94	99	24.8 mΩ	170				3.00	FAST-ON 6.3		

Terminal Type

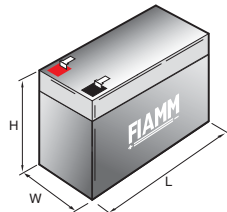
12FGHL22



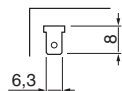
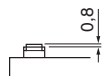
■ Faston 6.3



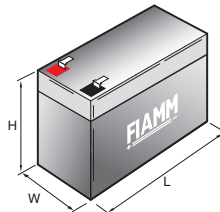
12FGHL28



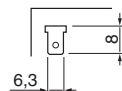
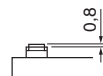
■ Faston 6.3



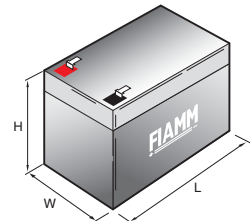
12FGHL34



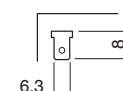
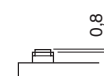
■ Faston 6.3



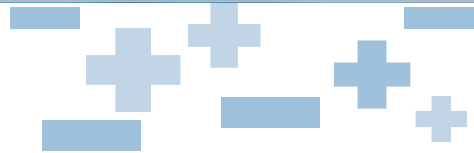
12FGHL48



■ Faston 6.3



SSLA Products



Constant Power discharge table (Watts per bloc)

Temperature: 25°C

12FGHL22

Final Voltage	5 min	10 min	15 min	20 min	30 min	45 min	1 hour
1.6 V/Cell	235	170	126	102	75.2	54.9	43.9
1.67 V/Cell	230	164	125	101	74.7	54.8	43.8
1.7 V/Cell	223	160	123	99	74.1	54.5	43.6
1.8 V/Cell	200	146	114	95	71.8	51.7	41.3

12FGHL28

Final Voltage	5 min	10 min	15 min	20 min	30 min	45 min	1 hour
1.6 V/Cell	308	210	160	131	94.8	70.2	56.8
1.67 V/Cell	295	204	157	128	93.3	69.3	56.0
1.7 V/Cell	287	201	155	127	92.8	69.0	55.8
1.8 V/Cell	264	191	150	124	90.7	67.6	54.7

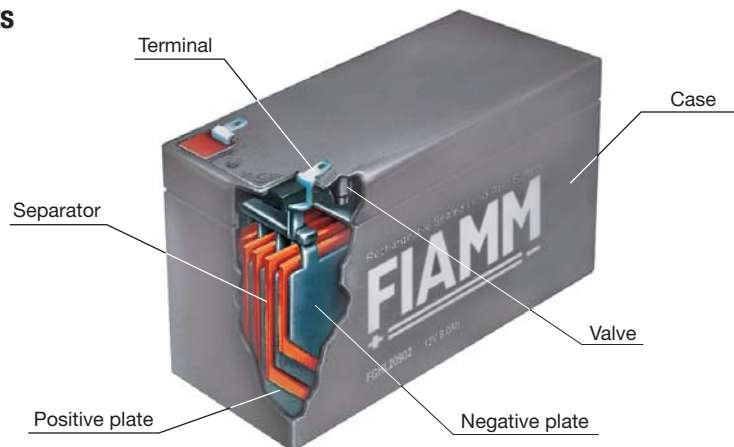
12FGHL34

Final Voltage	5 min	10 min	15 min	20 min	30 min	45 min	1 hour
1.6 V/Cell	377	264	201	163	119	85.2	63.4
1.67 V/Cell	374	262	199	161	118	84.7	62.9
1.7 V/Cell	371	260	197	160	117	84.2	62.5
1.8 V/Cell	356	248	188	154	114	82.1	60.8

12FGHL48

Final Voltage	5 min	10 min	15 min	20 min	30 min	45 min	1 hour
1.6 V/Cell	486	341	260	210	154	110	81.8
1.67 V/Cell	483	338	257	208	153	109	81.3
1.7 V/Cell	479	336	254	206	152	109	80.8
1.8 V/Cell	460	321	243	199	147	106	78.5

Battery Components



FIAMM reserves the right to change or revise without notice any information or detail given in this publication
FGHL_Vers.2_2010/03/25