

Applications and Key Benefits

- + Designed to achieve optimal performance and to protect critical equipment and processes from power disturbances
- Ideal for:
 - Emergency power systems
 - Signaling
 - Security & alarm systems
 - Industrial process controls
 - UPS applications
 - Recreational products
 - Electric utility & switchgear
 - Medical equipment
 - Renewable energy storage
- + Available in 6V and 12V monobloc designs
- + VRLA AGM technology with a 99% recombination efficiency assuring long life
- + Non-spillable with no water additions necessary
- + <2% self-discharge per month, at 77°F allows for up to 6 months of shelf life before boosting
- + Non-hazardous designation for air/sea/rail/road transportation
- + 100% recyclable

Applicable Standards

- IEC 60896 Part 21 - VRLA methods of testing
- IEC 60896 Part 22 - VRLA requirements
- UL Recognized
- BS 6290 Part 4 - specifications for VRLA classification (for FGHL series)

FIAMM Manufacturing

- ISO 9001 Quality Management System
- ISO 14001 Environmental Management System
- OHSAS 18001 - Workplace Safety & Health

FG series



FGL series



FGH series



FGHL series



FGC series



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Industrial Batteries

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FG series general use - 5 years design life

Model	VdS	Nominal voltage (V)	Capacity (Ah) Discharge 20h rate 1.75V/cell	Weight (lb)	Dimension (in)				Terminal Type
					L	W	H	TH*	
FG10121		6	1.2	0.62	3.82	0.94	2.05	2.32	Faston 4.8
FG10301	•	6	3.0	1.37	5.28	1.34	2.36	2.64	Faston 4.8
FG10381		6	3.8	1.32	2.60	1.30	4.65	4.92	Faston 4.8
FG10451		6	4.5	1.63	2.76	1.85	3.94	4.17	Faston 4.8
FG10721		6	7.2	2.54	5.94	1.34	3.70	3.94	Faston 4.8
FG11201/2	•	6	12	3.88	5.94	1.97	3.66	3.90	Faston 4.8 / 6.3

FG20086		12	0.8	0.73	3.78	0.98	2.44	2.44	Wire+Connector
FG20121	•	12	1.2	1.26	3.82	1.93	2.01	2.24	Faston 4.8
FG20121A		12	1.2	1.15	3.82	1.69	2.05	2.32	Faston 4.8
FG20201	•	12	2.0	1.76	7.01	1.38	2.36	2.64	Faston 4.8
FG20271		12	2.7	2.34	3.11	2.20	3.90	4.13	Faston 4.8
FG20341		12	3.4	2.73	5.28	2.64	2.36	2.64	Faston 4.8
FG20451		12	4.5	3.26	3.54	2.76	3.98	4.21	Faston 4.8
FG20721/2	•	12	7.2	5.36	5.94	2.56	3.70	3.94	Faston 4.8 / 6.3
FG21201/2	•	12	12	8.22	5.94	3.86	3.74	3.94	Faston 4.8 / 6.3
FG21703	•	12	17	13.01	7.13	2.99	6.57	6.57	Flag Ø5.5
FG21803		12	18	12.79	7.13	2.99	6.57	6.57	Flag Ø5.5
FG22703	•	12	27	19.84	6.54	6.89	4.92	4.92	Flag Ø5.5
FG24204	•	12	42	30.42	7.76	6.50	6.69	6.69	Flag Ø6.5
FG27004	•	12	70	49.82	13.78	6.54	6.85	6.85	Flag Ø6.5

FGL series general use - 10 years design life

Model	Nominal voltage (V)	Capacity (Ah) Discharge 20 h rate 1.75V/cell	Weight (lb)	Dimensions (in)				Terminal Type
				L	W	H	TH*	
12FGL17	12	17	13.12	7.13	2.99	6.57	6.57	Round M5
12FGL27	12	27	19.84	6.54	6.89	4.92	4.92	Round M5
12FGL33	12	33	25.35	7.72	5.12	6.26	6.46	Round M6
12FGL42	12	42	30.42	7.76	6.50	6.69	6.69	Round M6
12FGL55	12	55	40.12	9.02	5.43	8.15	8.35	Round M6
12FGL70	12	70	49.38	10.71	6.54	7.52	7.68	Round M6
12FGL70/L	12	70	49.82	13.78	6.54	6.89	6.89	Round M6
12FGL80	12	80	55.78	10.20	6.61	8.19	8.39	Round M8
12FGL100	12	100	70.55	12.95	6.77	8.43	8.70	Round M6
12FGL120	12	120	83.11	16.02	6.81	8.66	8.86	Round M8
12FGL150	12	150	98.33	19.02	6.69	8.66	8.66	Round M8
12FGL205	12	205	138.67	19.69	8.90	9.25	9.25	Round M8

*TH = total height including terminals

FGH series high rate discharge - 5 years design life

Model	Nominal voltage (V)	Capacity (Ah) Discharge 20h rate 1.75V/cell	Weight (lb)	Dimension (in)				Terminal Type
				L	W	H	TH*	
12FGH23slim	12	5.0	4.63	5.94	2.01	3.74	3.98	Faston 4.8
12FGH23	12	5.0	4.19	3.54	2.76	3.98	4.21	Faston 6.3
12FGH36	12	9.0	6.17	5.94	2.56	3.70	3.94	Faston 6.3
12FGH50	12	12	9.26	5.94	3.86	3.74	3.94	Faston 6.3
12FGH65	12	18	13.23	7.13	2.99	6.57	6.57	Flag Ø5.5

FGHL series high rate discharge - 10 years design life

Model	Nominal voltage (V)	Capacity (Ah) Discharge 20h rate 1.75V/cell	Weight (lb)	Dimension (in)				Terminal Type
				L	W	H	TH*	
12FGHL22	12	5.0	4.19	3.54	2.76	3.98	4.21	Faston 6.3
12FGHL28	12	7.2	5.84	5.94	2.56	3.70	3.94	Faston 6.3
12FGHL34	12	9.0	6.28	5.94	2.56	3.70	3.94	Faston 6.3
12FGHL48	12	12	9.26	5.94	3.86	3.74	3.94	Faston 6.3

FGC series cyclic use - 5 years design life

Model	Nominal voltage (V)	Capacity (Ah) Discharge 20h rate 1.75V/cell	Weight (lb)	Dimension (in)				Terminal Type
				L	W	H	TH*	
FGC21202	12	12	9.15	5.94	3.86	3.74	3.94	Faston 6.3
FGC21803	12	18	11.79	7.13	2.99	6.53	6.53	Flag Ø5.5
FGC22703	12	27	17.86	6.54	6.89	4.92	4.92	Flag Ø5.5
FGC23505	12	35	26.90	7.72	5.20	6.65	6.65	Round M5
FGC24207	12	42	28.66	7.68	6.50	6.50	6.69	Round M6

Electrical Characteristics

Recharge methods:

- standby use: 13.50 - 13.80 V/bloc
- cyclic use: 14.40 - 15.00 V/bloc
- initial charge current: 0.20 - 0.25 C₂₀

Operating temperature ranges:

- recharge: 32° to 104°F
- discharge: -4 to 122°F
- storage: -4 to 122°F