

Applications and Key Benefits

- + Designed to achieve optimal performance and to protect from power disturbances

Ideal for:

- Emergency power supply systems
 - Signaling
 - Security & alarm systems
 - Industry & process controls
 - UPS application
 - Unstable grid & off-grid installation
 - Leisure & toys
 - Minor traction & medical equipment
 - Renewable energy storage
- + 6V and 12V monoblocs
 - + VRLA AGM and gas recombination technology with 99% internal recombination
 - + Non-spillable and maintenance free
 - + < 2% self-discharge per month at 20°C allows 6 months shelf life
 - + Non-hazardous for air/sea/rail/road transportation
 - + 100% Recyclable

FG series



FGL series



FGH series



FGHL series



FGC series



Distributed by:

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Secure
Power
Solutions

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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)
- FG - FGH - FGC: Eurobat "Standard Commercial" - 3-5 years
- FGL - FGHL: Eurobat "High Performance" - 10-12 years

FIAMM Manufacturing

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

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ENGLISH

FG series general use - 5 years design life

Model	VdS	Nominal voltage (V)	Capacity (Ah)	Weight (kg)	Dimensions (mm)				Terminal Type
			Discharge 20h rate 1.75V/cell		L	W	H	TH*	
FG10121		6	1.2	0.30	97	24	52	59	Faston 4.8
FG10301	•	6	3.0	0.62	134	34	60	67	Faston 4.8
FG10381		6	3.8	0.71	66	33	118	125	Faston 4.8
FG10451		6	4.5	0.74	70	47	100	106	Faston 4.8
FG10721		6	7.2	1.15	151	34	94	100	Faston 4.8
FG11201/2	•	6	12	1.76	151	50	93	99	Faston 4.8 / 6.3

FG20086		12	0.8	0.35	96	25	62	62	Wire+Connector
FG20121	•	12	1.2	0.57	97	49	51	57	Faston 4.8
FG20121A	•	12	1.2	0.52	97	43	52	59	Faston 4.8
FG20201	•	12	2.0	0.80	178	35	60	67	Faston 4.8
FG20271		12	2.7	1.06	79	56	99	105	Faston 4.8
FG20341		12	3.4	1.24	134	67	60	67	Faston 4.8
FG20451		12	4.5	1.48	90	70	101	107	Faston 4.8
FG20721/2	•	12	7.2	2.43	151	65	94	100	Faston 4.8 / 6.3
FG21201/2	•	12	12	3.73	151	98	95	100	Faston 4.8 / 6.3
FG21703	•	12	17	5.90	181	76	167	167	Flag Ø5.5
FG21803		12	18	5.80	181	76	167	167	Flag Ø5.5
FG22703	•	12	27	9.00	166	175	125	125	Flag Ø5.5
FG24204	•	12	42	13.8	197	165	170	170	Flag Ø6.5
FG27004	•	12	70	22.6	350	166	174	174	Flag Ø6.5

FGL series general use - 10 years design life

Model	Nominal voltage (V)	Capacity (Ah)	Weight (kg)	Dimensions (mm)				Terminal Type
		Discharge 20 h rate 1.75V/cell		L	W	H	TH*	
12FGL17	12	17	5.95	181	76	167	167	Round M5
12FGL27	12	27	9.00	166	175	125	125	Round M5
12FGL33	12	33	11.5	196	130	159	164	Round M6
12FGL42	12	42	13.8	197	165	170	170	Round M6
12FGL55	12	55	18.2	229	138	207	212	Round M6
12FGL70	12	70	23.2	272	166	191	195	Round M6
12FGL70/L	12	70	22.6	350	166	175	175	Round M6
12FGL80	12	80	27.0	259	168	208	213	Round M8
12FGL100	12	100	32.5	329	172	214	221	Round M6
12FGL120	12	120	39.5	407	173	220	225	Round M8
12FGL150	12	150	47.5	483	170	220	220	Round M8
12FGL205	12	205	66.0	500	226	235	235	Round M8

*TH = total height including terminals

FGH series high rate discharge - 5 years design life

Model	Nominal voltage (V)	Capacity (Ah)	Weight (kg)	Dimensions (mm)				Terminal Type
		Discharge 20h rate 1.75V/cell		L	W	H	TH*	
12FGH23slim	12	5.0	2.10	151	51	95	101	Faston 4.8
12FGH23	12	5.0	1.90	90	70	101	107	Faston 6.3
12FGH36	12	9.0	2.80	151	65	94	100	Faston 6.3
12FGH50	12	12	4.20	151	98	95	100	Faston 6.3
12FGH65	12	18	6.00	181	76	167	167	Flag Ø5.5

FGHL series high rate discharge - 10 years design life

Model	Nominal voltage (V)	Capacity (Ah)	Weight (kg)	Dimensions (mm)				Terminal Type
		Discharge 20h rate 1.75V/cell		L	W	H	TH*	
12FGHL22	12	5.0	1.90	90	70	101	107	Faston 6.3
12FGHL28	12	7.2	2.65	151	65	94	100	Faston 6.3
12FGHL34	12	9.0	2.85	151	65	94	100	Faston 6.3
12FGHL48	12	12	4.20	151	98	95	100	Faston 6.3

FGC series cyclic use - 5 years design life

Model	Nominal voltage (V)	Capacity (Ah)	Weight (kg)	Dimensions (mm)				Terminal Type
		Discharge 20h rate 1.75V/cell		L	W	H	TH*	
FGC21202	12	12	4.15	151	98	95	100	Faston 6.3
FGC21803	12	18	5.35	181	76	166	166	Flag Ø5.5
FGC22703	12	27	8.10	166	175	125	125	Flag Ø5.5
FGC23505	12	35	12.2	196	132	169	169	Round M5
FGC24207	12	42	13.0	195	165	165	170	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: 0° ÷ 40°C
- discharge: -20° ÷ 50°C
- storage: -20° ÷ 50°C