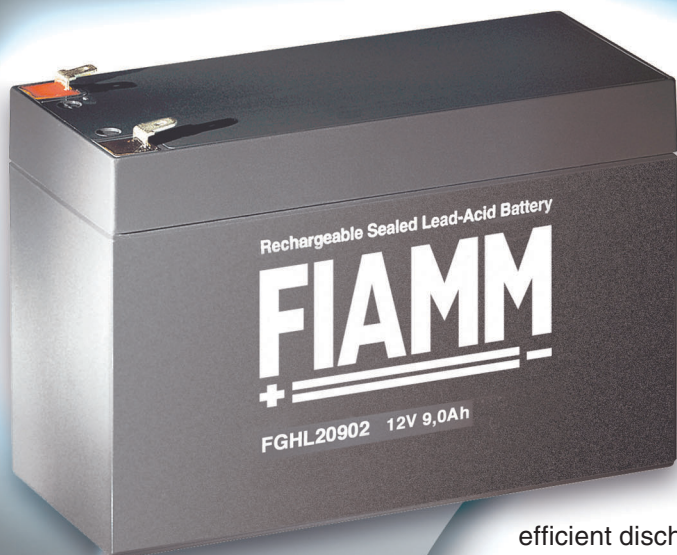




FGHL-series

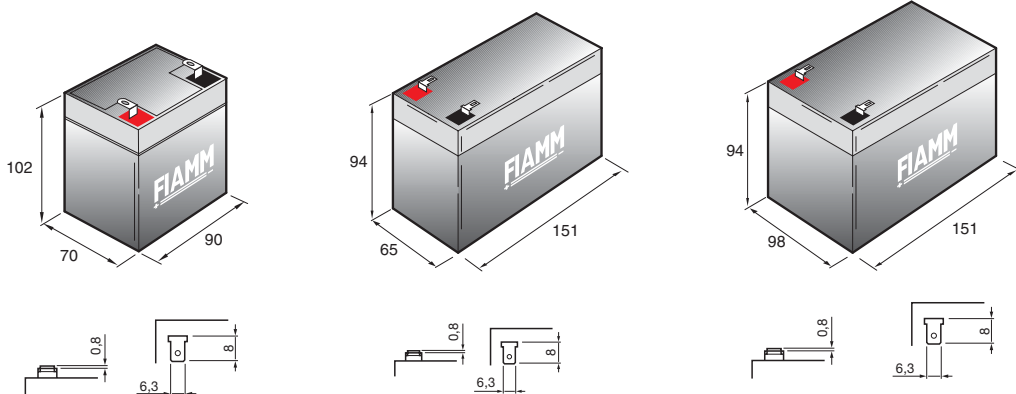
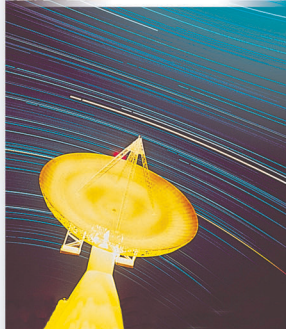
high-rate long life range

Valve regulated lead-acid batteries

FIAMM FGHL battery range is specially designed for high efficient discharge application. It is a high power density range with a design life of 10 years. FIAMM FGHL valve regulated lead acid batteries are the ideal energy source for many different standby applications.

Technical information

Battery Model	FGHL20502	FGHL20722	FGHL20902	FGHL21102
Nominal Voltage	12 Volts	12 Volts	12 Volts	12 Volts
Nominal Capacity	5.0 Ah	7.2 Ah	9.0 Ah	11 Ah
Dimensions	90x70x102 mm	151x65x94 mm	151x65x94 mm	151x98x94 mm
	with terminals	105 mm	99 mm	99 mm
Weight	2.0 kg	2.7 kg	2.9 kg	4.3 kg
Energy Density	93.4 Wh/l	93.6 Wh/l	112.5 Wh/l	112.5 Wh/l
Specific Energy	30.0 Wh/kg	32.0 Wh/kg	38.5 Wh/kg	38.5 Wh/kg
Internal Resistance of Fully Charged Battery	18 mΩ	13 mΩ	13 mΩ	13 mΩ
Maximum discharge with standard terminals	30 A	43.2 A	54 A	72 A
Maximum 5-second discharge current	75 A	108 A	135 A	180 A
Charge Voltage	Cyclic use	14.4 - 14.7 V	14.4 - 14.7 V	14.4 - 14.7 V
	Float use	13.5 - 13.8 V	13.5 - 13.8 V	13.5 - 13.8 V
Maximum Charge Current	1.25 A (C/4)	1.8 A (C/4)	2.25 A (C/4)	3 A (C/4)
Terminals	Fast-on 6.3 (US: F2)	Fast-on 6.3 (US: F2)	Fast-on 6.3 (US: F2)	Fast-on 6.3 (US: F2)
Shelf Life at 20°C	1 month	97%	97%	97%
	3 months	91%	91%	91%
	6 months	82%	82%	82%
Storage Temperature	-20°C to 40°C	-20°C to 40°C	-20°C to 40°C	-20°C to 40°C
Operating Temperature	Charge	0°C to 40°C	0°C to 40°C	0°C to 40°C
	Discharge	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C
Case Material	UL-94 10 years (V0 plastic)			
Life Expectancy	10 years according to Eurobat standards			



FIAMM



FGHL-series
high-rate long life range

Valve regulated lead-acid batteries

Typical discharge power at 25°C (W)

FGHL20502 12V 5Ah					
Time	5'	10'	15'	30'	60'
1.8 V/Cell	228	152	118	72	44
1.7 V/Cell	260	170	126	76	45
1.6 V/Cell	270	176	132	78	46

FGHL20722 12V 7.2Ah					
Time	5'	10'	15'	30'	60'
1.8 V/Cell	310	215	170	110	66
1.7 V/Cell	355	240	180	113	68
1.6 V/Cell	375	250	190	116	70

FGHL20902 12V 9Ah					
Time	5'	10'	15'	30'	60'
1.8 V/Cell	350	242	198	116	68
1.7 V/Cell	380	255	203	117	69
1.6 V/Cell	390	260	207	118	70

FGHL21102 12V 11Ah					
Time	5'	10'	15'	30'	60'
1.8 V/Cell	503	337	267	172	104
1.7 V/Cell	550	374	287	180	106
1.6 V/Cell	586	390	295	182	107



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