

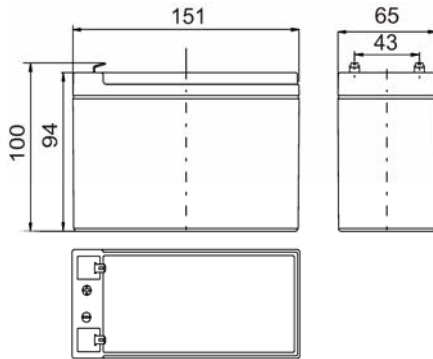
PERFORMANCE SPECIFICATION FOR BATTERY TYPE FGHL 20902

HIGH RATE LONG LIFE

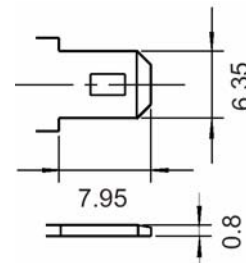
The FIAMM High Performance Battery FGHL SERIES is a VRLA battery (Valve Regulated Lead Acid) which has been designed for applications in extreme environments. Suitable for both stand by and cyclical applications, it provides 20% more capacity and more than twice the lifetime when compared to traditional SLA batteries of the same size. FGHL batteries are capable of delivering up to 500 cycles at 80% depth of discharge.

Nominal Voltage	12 Volts
Nominal Capacity	at 20 hour rate (0.36 A to 10,5 Volts) 9.00 Ah
	at 5 hour rate (1.15 A to 10,2 Volts) 7.65 Ah
	at 1 hour rate (4.32 A to 9,6 Volts) 5.40 Ah
Dimensions (mm)	Length=151, Width=65, Height=94, TH=100
Approximate weight	2.9 Kg
Internal Resistance (Fully charged battery)	15 mΩ
Maximum discharge current in 5 seconds discharge	135 A
Recommended charging voltage (@20°C)	floating use: 13,5-13,8 V cyclic use: 14,4-15,0 V
Thermal compensation factor	floating use: -18mV/°C cyclic use: -30mV/°C
Maximum charging current	2.25 A
Terminals	Faston 6.3 mm
Vibration Test	
(2000 cycles/min, 2,55 mm excursion, 2 hrs)	No loss in capacity or performance
Shelf life - % of nominal capacity at 20°C	1 Month 97%
	3 months 91%
	6 months 83%
Storage temperature	-20°C to 40°C
Operative temperature range	Charge 0° C to 40°C
	Discharge -20°C to 50°C
Case material	According to UL-94 VO
Life expectancy (Stand-by)	10 years according to Eurobat standards

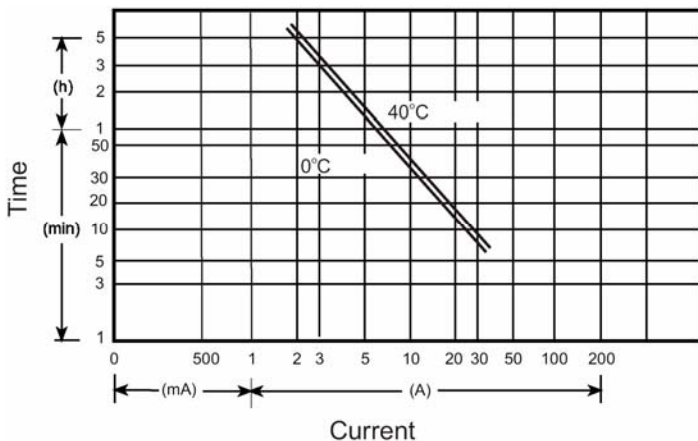
BATTERY DIMENSIONS (mm)



TERMINAL DIMENSIONS (mm)



DISCHARGE CURRENT VS TIME



DISCHARGE CHARACTERISTICS

