

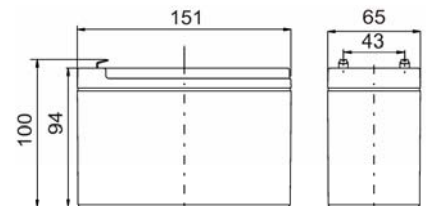
PERFORMANCE SPECIFICATION FOR BATTERY TYPE FGH 20902

HIGH RATE OF DISCHARGE

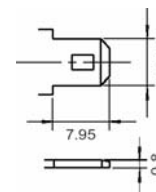
Nominal Voltage	12 Volts
Nominal Capacity	300W at 10 minutes rate to 9.6V @ 25°C
Dimensions (mm)	Length=151, Width=98, Height=94, TH=100
Approximate weight	2.8 Kg
Internal Resistance (Fully charged battery)	15 mΩ
Maximum discharge current in 5 seconds discharge	135 A
Recommended charging voltage (@20°C)	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	Acrylonitrile-Butadiene-Styrene (ABS)
	Standard Case: according to UL-94 HB
	Also available: according to UL-94 VO
Life expectancy (Stand-by)	3 to 5 years according to Eurobat standards

Constant Power Discharge Table (Watt) @ 25°C								
TIME	3'	5'	7'	10'	15'	30'	60'	90'
1,6V/Cell	567	443	372	300	231	132	72.0	53.1
1,7V/Cell	513	399	348	285	217	123	66.3	51.6
1,8V/Cell	462	372	314	255	202	118	65.7	50.4

Constant Current Discharge Table (Ampere) @ 25°C								
TIME	3'	5'	7'	10'	15'	30'	60'	90'
1,6V/Cell	47.1	36.6	31.0	25.5	19.2	10.8	5.91	4.50
1,7V/Cell	42.6	33.3	29.1	23.7	18.0	10.2	5.52	4.20
1,8V/Cell	38.4	31.2	26.7	21.3	16.8	9.84	5.46	4.10



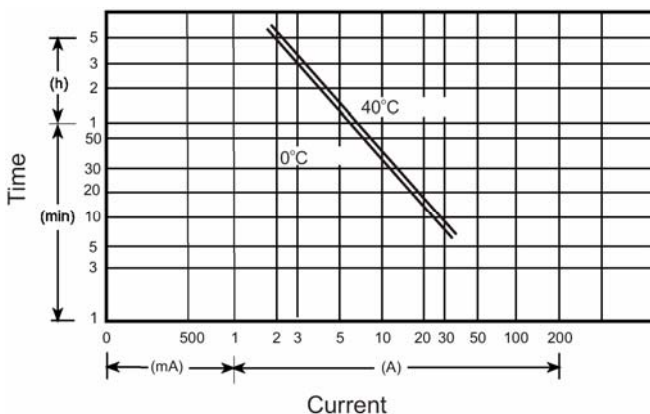
Battery dimensions (mm)



Terminals dimensions (mm)

The FIAMM-GS Super Power Battery FGH SERIES is a VRLA battery (Valve Regulated Lead Acid) which has been specifically designed to guarantee higher power outputs during fast discharge applications. FGH models have been electrically modified through the use of additional plates. When compared with standard SLA battery, FGH 20902 provides up to 50% more power per kilogram.

DISCHARGE CURRENT VS TIME



DISCHARGE CHARACTERISTICS

