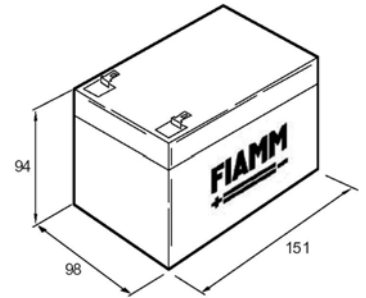
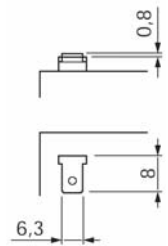


### PERFORMANCE SPECIFICATION FOR BATTERY TYPE FGC 21202

Nominal Voltage	12 Volts
Nominal Capacity	20 hour rate @ 0.60 A 25°C _____ 12 Ah
	10 hour rate @ 1.60 A, 10.5V _____ 11.0 Ah
	5 hour rate @ 2.13 A, 10.5V _____ 10.6 Ah
	1 hour rate @ 7.2 A, 10.2V _____ 7.2 Ah
Dimensions (LxWxH, mm) ±1%	151 x 98 x 94, TH 100
Approximate weight	4.3 Kg
Energy Density	91 Wh/l
Specific Energy	38.9 Wh/kg
Internal Resistance (Fully charged battery)	16 mΩ
Maximum discharge current in 5 seconds	120 A
Recommended charging voltage (@20°C)	floating use: 13,5-13,8V cyclic use: 14,4-15V
Thermal compensation factor	floating use: -18mV/°C cyclic use: -30mV/°C
Maximum charging current	3 A
Terminals	Faston 6.3
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
	Standard Case: according to UL-94 HB
	Also available: according to UL-94 VO
Life expectancy (cyclic use)	more than 500 cycles at 50% depth of discharge



Battery dimensions (mm)



Terminal type

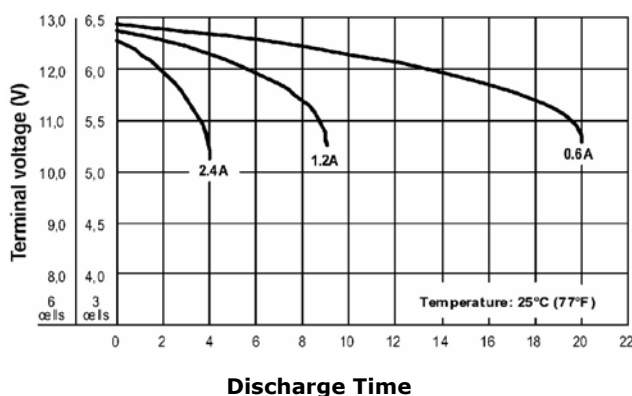
### CONSTANT POWER DISCHARGE TABLE (WATT) @25°C

TIME	5'	10'	15'	20'	30'	45'	1h	2h	3h	5h	10h	20h
<b>1,75V/Cell</b>	347	293	247	216	155	109	86.0	51.0	38.8	25.0	13.0	7.20
<b>1,70V/Cell</b>	377	303	251	218	156	111	88.0	51.6	39.1	25.2	13.1	7.21
<b>1,65V/Cell</b>	409	314	255	220	157	123	90.0	52.0	39.3	25.4	13.2	7.23
<b>1,60V/Cell</b>	444	325	259	223	158	114	91.9	52.3	39.6	25.5	13.3	7.25

### CONSTANT CURRENT DISCHARGE TABLE (AMPERE) @25°C

TIME	5'	10'	15'	20'	30'	45'	1h	2h	3h	5h	10h	20h
<b>1,75V/Cell</b>	29.1	24.5	20.7	18.1	13.0	9.20	7.20	4.30	3.26	2.11	1.10	0.60
<b>1,7V/Cell</b>	31.7	25.5	21.1	18.4	13.2	9.40	7.40	4.35	3.29	2.14	1.11	0.61
<b>1,65V/Cell</b>	34.6	26.5	21.5	18.7	13.3	9.55	7.60	4.40	3.30	2.15	1.12	0.61
<b>1,60V/Cell</b>	37.7	27.6	22.0	19.0	13.4	9.70	7.80	4.44	3.36	2.16	1.13	0.61

### DISCHARGE TIME VS DISCHARGE CURRENT



### LIFETIME IN CYCLIC USE

