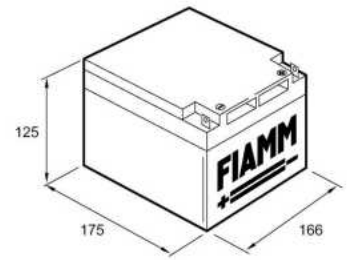
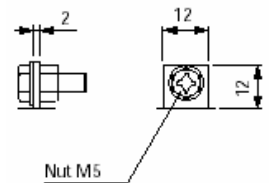


### PERFORMANCE SPECIFICATION FOR BATTERY TYPE FGC 22703

Nominal Voltage	12 Volts
Nominal Capacity	20 hour rate @ 1.35 A 25°C _____ 27 Ah
	10 hour rate @ 2.44 A _____ 24.4 Ah
	5 hour rate @ 4.42 A _____ 22.1 Ah
	1 C @ 15.7 A _____ 15.7 Ah
Dimensions (LxWxH, mm)	166 x 175 x 125, TH 125
Approximate weight	8.5 Kg
Energy Density	89.2 Wh/l
Specific Energy	36 Wh/kg
Internal Resistance (Fully charged battery)	13 mΩ
Max discharge current in 1 min discharge	162 A
Max discharge current in 5 sec discharge	405 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	6.75 A
Terminals	Bolt and Nut M5
Torques	4.5Nm
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

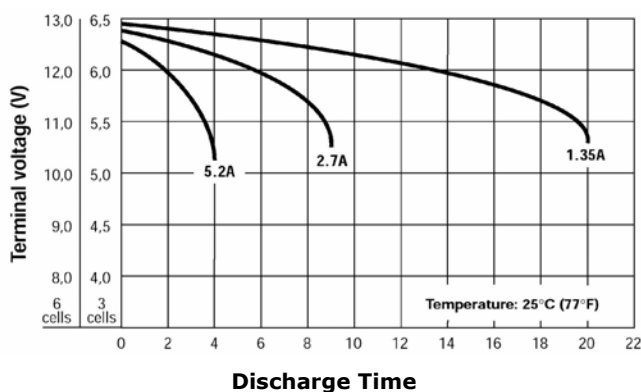
### CONSTANT POWER DISCHARGE TABLE (WATT)

TIME	5'	10'	15'	20'	30'	45'	1h	2h	3h	5h	10h	20h
<b>1,8V/Cell</b>	660.4	514.8	423.9	362.3	283.2	215.7	175.3	102.2	73.0	47.0	25.4	25.4
<b>13.7</b>	706.6	539.0	439.4	373.2	289.7	219.4	177.8	103.3	73.8	47.6	25.9	14.1
<b>1,7V/Cell</b>	756.1	564.4	455.5	384.5	296.3	223.2	180.4	104.5	74.6	48.2	26.4	14.5
<b>1,65V/Cell</b>	781.7	577.2	463.2	389.6	289.9	224.3	180.9	104.3	74.4	48.1	26.4	14.6
<b>1,6V/Cell</b>	808.2	590.3	471.1	394.8	301.5	225.4	181.3	104.1	74.2	47.9	26.3	14.6

### CONSTANT CURRENT DISCHARGE TABLE (AMPERE)

TIME	5'	10'	15'	20'	30'	45'	1h	2h	3h	5h	10h	20h
<b>1,8V/Cell</b>	78	48	39	33	24	19.3	15.6	9.8	6.9	4.5	2.43	1.35
<b>1,75V/Cell</b>	86	53	42	34	25	20.2	16.3	10.2	7.1	4.6	2.44	1.35
<b>1,7V/Cell</b>	95	59	44	36	27	21.1	16.9	10.5	7.3	4.7	2.45	1.36
<b>1,65V/Cell</b>	96	59	45	37	27	21.3	17.1	10.6	7.4	4.8	2.47	1.37
<b>1,6V/Cell</b>	97	60	45	37	27	21.5	17.2	10.7	7.4	4.9	2.48	1.38

### DISCHARGE TIME VS DISCHARGE CURRENT



### LIFETIME IN CYCLIC USE

