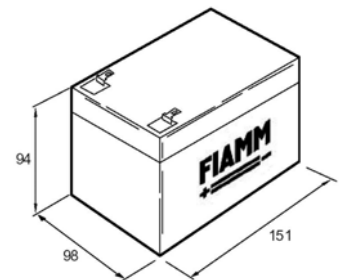


PERFORMANCE SPECIFICATION FOR BATTERY TYPE FG 21201/21202

Nominal Voltage	12 Volts
Nominal Capacity	at 20 hour rate (0.6 A to 10,5 Volts), 12 Ah
	at 5 hour rate (2.05 A to 10,2 Volts) 10.25 Ah
	at 3 hour rate (3.12 A to 10,2 Volts) 9.36 Ah
	at 1 hour rate (7.5 A to 9,6 Volts) 7.5 Ah
Dimensions (mm)	Length=151, Width=98, Height=94, TH=99
Approximate weight	3.73kg
Energy Density	66,39 Wh/l
Specific Energy	28,65 Wh/kg
Internal Resistance (Fully charged battery)	160 mΩ
Maximum discharge current in 5 seconds	120 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	3 A
Terminals	Flat lug type 4.8 mm
Torques	n.a.
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 (Stand-by use)	3 to 5 years according to Eurobat standards

Dimensions (mm)



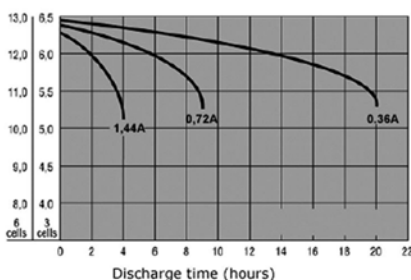
Constant Power Discharge Table (Watt)

TIME	5'	10'	15'	20'	30'	45'	1h	2h	3h	5h	10h	20h
1,8V/Cell	250,4	174,0	136,4	113,4	85,9	64,0	51,5	29,6	20,9	13,6	7,8	4,3
1,75V/Cell	275,1	186,1	144,0	114,6	86,5	64,6	52,3	30,7	21,6	14,1	7,8	4,3
1,7V/Cell	281,4	188,3	145,1	119,4	89,5	66,1	52,8	30,1	21,9	14,3	7,9	4,3
1,65V/Cell	294,9	192,7	147,2	120,6	90,1	66,4	53,1	30,3	22,1	14,7	7,9	4,3
1,6V/Cell	298,3	193,8	147,7	120,9	90,2	66,5	53,2	30,4	22,4	14,9	7,9	4,4

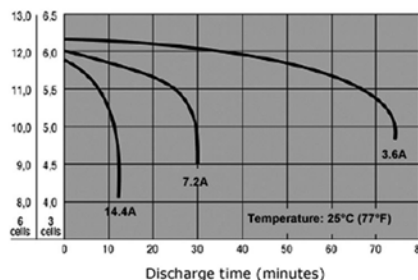
Constant Current Discharge Table (Ampere)

TIME	5'	10'	15'	20'	30'	45'	1h	2h	3h	5h	10h	20h
1,8V/Cell	23,0	15,6	12,1	10,0	7,50	5,60	4,40	2,48	1,80	1,16	0,66	0,36
1,75V/Cell	26,2	17,2	13,1	10,5	7,82	5,76	4,56	2,58	1,83	1,20	0,68	0,37
1,7V/Cell	27,0	17,6	13,4	10,6	7,90	5,80	4,60	2,60	1,84	1,21	0,69	0,37
1,65V/Cell	28,5	18,2	13,9	10,9	8,14	5,94	4,74	2,67	1,90	1,26	0,71	0,38
1,6V/Cell	29,0	18,4	14,0	11,0	8,21	5,98	4,78	2,69	1,92	1,27	0,72	0,38

Discharge Time VS Discharge Current (hr.)



Discharge Time VS Discharge Current (min.)



Terminal type

