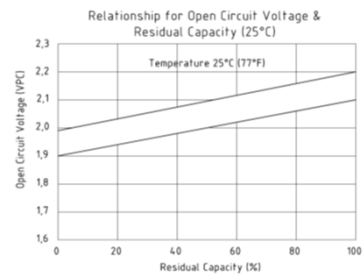
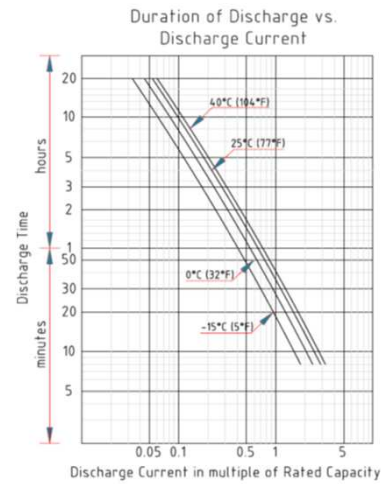
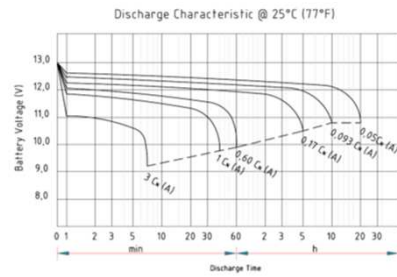
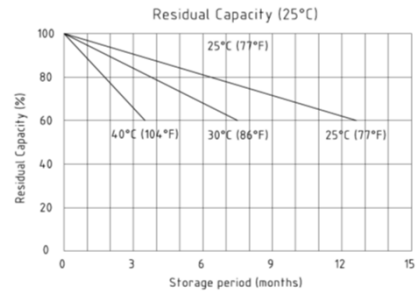
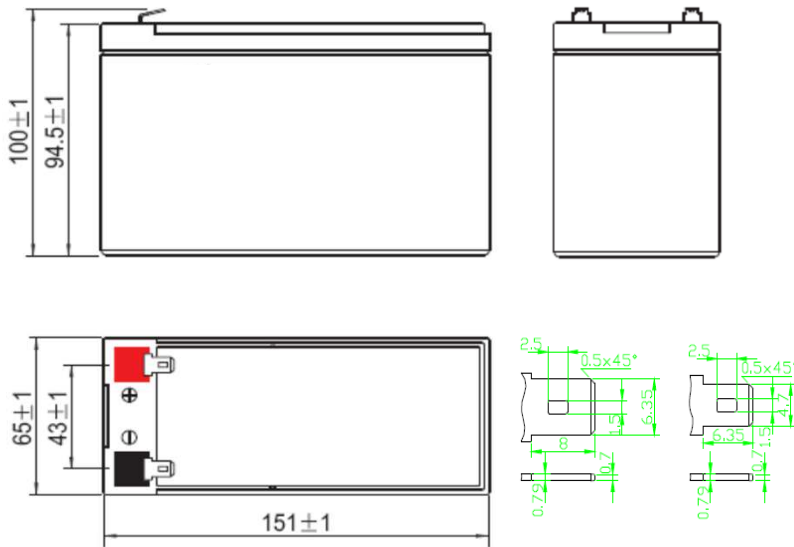


GENERAL PURPOSE BATTERIES



Specification	
Nominal Voltage	12 V
Nominal Capacity (20 Hr)	7 Ah
Dimension	Length 151±1 mm (5,95 inches)
	Width 65±1 mm (2,56 inches)
	Container Height 94,5±1 mm (3,72 inches)
	Total Height (with terminal) 100±1 mm (3,94 inches)
Approx Weight	Approx 2,2 kg (4,85 lbs)
Terminal	T2
Container Material	ABS
Rated Capacity	7 Ah / 0,35A (20 hr, 1,80 V/cell, 25°C/77°F)
	6,53 Ah / 0,653A (10 hr, 1,80 V/cell, 25°C/77°F)
	6 Ah / 1,2A (5 hr, 1,75 V/cell, 25°C/77°F)
	5,37 Ah / 1,79A (3 hr, 1,75 V/cell, 25°C/77°F)
	4,55 Ah / 4,55A (1 hr, 1,60 V/cell, 25°C/77°F)
Max Discharge Current	105 A (5 s)
Internal Resistance	Approx 23,0 mΩ
Operating Temperat. Range	Discharge : -15÷50°C (5÷122°F)
	Charge : 0÷40°C (32÷104°F)
	Storage : -15÷40°C (5÷104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)
Cycle Use	Initial Charging Current less than 1,4 A Voltage 14,4÷15,0V at 25°C (77°F) Temperature Coefficient -30mV/°C
Standby Use	No limit on Initial Charging Current Voltage 13,5÷13,8 V at 25°C (77°F) Temperature Coefficient -20mV/°C
Capacity affected by Temperature	40°C (104°F) 103% 25°C (77°F) 100% 0°C (32°F) 86%
Self Discharge	batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Constant Current Discharge (Amperes) at 25°C (77°F)

F.V / Time	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
1,85V / cell	12,8	10,48	8,79	6,53	4,79	3,86	2,29	1,69	1,36	1,14	0,98	0,774	0,640	0,345
1,80V / cell	14,3	11,40	9,44	6,94	5,05	4,03	2,38	1,74	1,40	1,17	1,01	0,791	0,653	0,350
1,75V / cell	15,6	12,20	10,00	7,29	5,27	4,18	2,45	1,79	1,43	1,20	1,03	0,805	0,663	0,357
1,70V / cell	16,7	12,90	10,50	7,59	5,46	4,32	2,51	1,83	1,46	1,22	1,05	0,817	0,672	0,361
1,67V / cell	17,2	13,20	10,70	7,73	5,54	4,39	2,54	1,85	1,47	1,23	1,06	0,822	0,676	0,363
1,65V / cell	17,7	13,50	10,90	7,86	5,62	4,46	2,57	1,86	1,48	1,23	1,06	0,826	0,680	0,365
1,60V / cell	18,6	14,10	11,30	8,09	5,76	4,55	2,61	1,89	1,50	1,25	1,07	0,834	0,685	0,367

Constant Power Discharge (Watts) at 25°C (77°F)

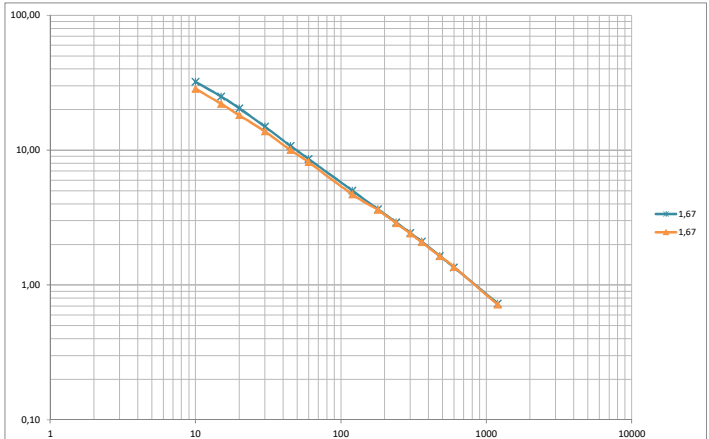
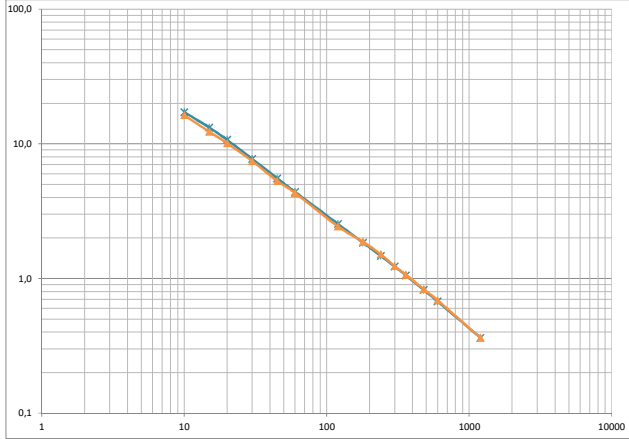
F.V / Time	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
1,85V / cell	20,36	16,91	14,68	11,42	8,42	7,08	4,15	3,24	2,62	2,14	1,85	1,49	1,25	0,68
1,80V / cell	26,21	20,54	17,38	13,48	9,82	7,97	4,54	3,49	2,80	2,29	1,99	1,59	1,28	0,70
1,75V / cell	28,86	22,43	18,83	13,98	10,21	8,38	4,72	3,56	2,86	2,35	2,04	1,61	1,33	0,70
1,70V / cell	31,39	24,04	19,90	14,70	10,68	8,69	4,85	3,67	2,94	2,42	2,08	1,63	1,35	0,71
1,67V / cell	32,84	24,99	20,31	15,17	10,89	8,77	4,93	3,74	2,95	2,46	2,10	1,65	1,36	0,71
1,65V / cell	34,16	25,81	21,30	15,53	10,92	8,89	4,92	3,82	3,05	2,48	2,12	1,66	1,38	0,72
1,60V / cell	36,60	27,42	22,61	16,38	11,40	8,95	5,13	3,92	3,14	2,56	2,17	1,67	1,39	0,72

Constant Current Discharge (Amperes) at 25°C (77°F)

	10	15	20	30	45	60	120	180	240	300	360	480	600	1200
1,67	17,2	13,20	10,70	7,73	5,54	4,39	2,54	1,85	1,47	1,23	1,06	0,822	0,676	0,363
1,67	16,3	12,30	10,10	7,43	5,31	4,31	2,44	1,87	1,51	1,24	1,07	0,834	0,689	0,363

Constant Power Discharge (Watts) at 25°C (77°F)

	10	15	20	30	45	60	120	180	240	300	360	480	600	1200
1,67	32,10	25,00	20,45	14,95	10,75	8,61	5,01	3,65	2,91	2,44	2,10	1,641	1,353	0,728
1,67	28,54	22,08	18,15	13,77	10,02	8,15	4,69	3,60	2,87	2,41	2,07	1,635	1,360	0,715



Constant Power Discharge (Watts) at 25°C (77°F)

		5	10	15	20	30	45	60	120	180	240	300	360	480	600	1200
1,85	43	34,20	24,50	20,20	17,10	12,80	9,44	7,64	4,56	3,37	2,72	2,29	1,99	1,57	1,30	0,70
1,8	50	40,20	27,20	21,90	18,30	13,50	9,91	7,96	4,72	3,47	2,79	2,34	2,03	1,59	1,32	0,71
1,75	56	45,10	29,50	23,30	19,30	14,20	10,30	8,23	4,85	3,55	2,85	2,39	2,06	1,62	1,33	0,72
1,7	62	49,20	31,30	24,50	20,10	14,70	10,60	8,48	4,96	3,62	2,89	2,42	2,09	1,63	1,35	0,73
1,65	66	52,60	32,90	25,50	20,80	15,20	10,90	8,73	5,05	3,68	2,93	2,45	2,11	1,65	1,36	0,73
1,6	69	55,50	34,30	26,30	21,50	15,50	11,20	8,88	5,12	3,72	2,96	2,47	2,13	1,66	1,37	0,73