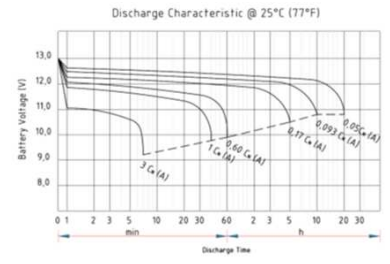
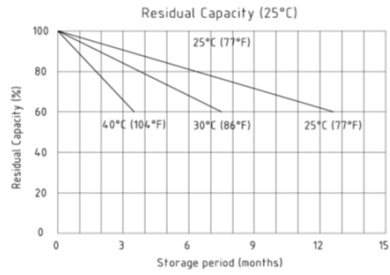
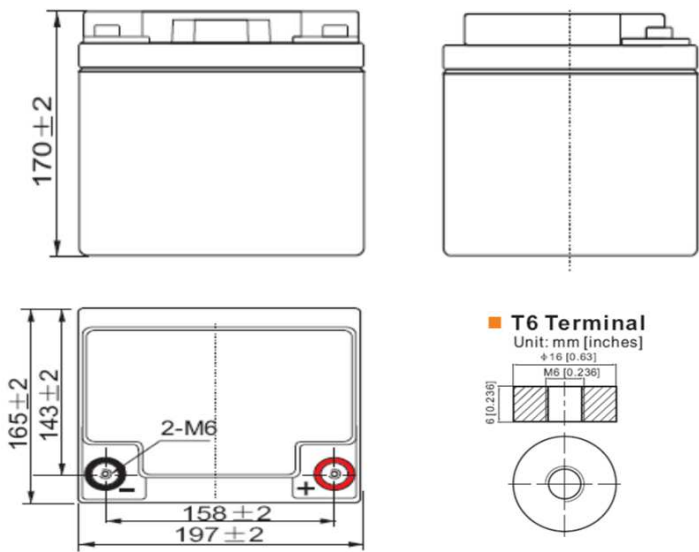
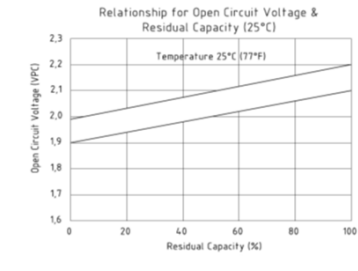
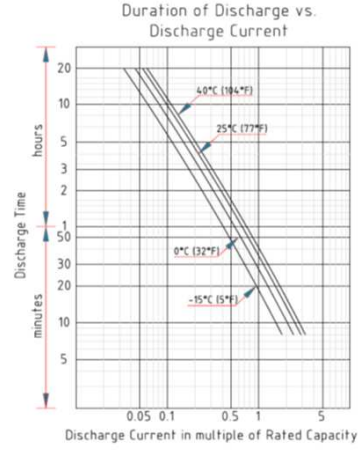


GENERAL PURPOSE BATTERIES



Specification

Nominal Voltage	12 V	
Nominal Capacity (20 Hr)	40Ah	
Dimension	Length	197±2 mm (7,76 inches)
	Width	165±2 mm (6,50 inches)
	Container Height	170±2 mm (6,69 inches)
	Total Height (with terminal)	170±2 mm (6,69 inches)
Approx Weight	Approx 12,2 kg (26,9 lbs)	
Terminal	T6	
Container Material	ABS	
Rated Capacity	40 Ah / 2A	(20 hr, 1,80 V/cell, 25°C/77°F)
	38 Ah / 3,8A	(10 hr, 1,80 V/cell, 25°C/77°F)
	32,8 Ah / 6,56A	(5 hr, 1,75 V/cell, 25°C/77°F)
	28,62 Ah / 9,54A	(3 hr, 1,75 V/cell, 25°C/77°F)
	24,3 Ah / 24,3A	(1 hr, 1,60 V/cell, 25°C/77°F)
Max Discharge Current	456,0 A (5 s)	
Internal Resistance	Approx 10,0 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 8 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	53,6	46,2	40,1	31,1	23,5	19,1	11,5	8,79	7,21	6,14	5,38	4,35	3,66	1,96
1,80V / cell	62,7	52,5	45,1	34,1	25,4	20,4	12,3	9,26	7,55	6,41	5,61	4,53	3,80	2,00
1,75V / cell	68,4	57,4	48,3	36,6	27,0	21,6	12,8	9,54	7,74	6,56	5,72	4,59	3,84	2,01
1,70V / cell	73,9	61,3	51,3	38,2	28,1	22,5	13,2	9,82	7,93	6,71	5,83	4,66	3,88	2,03
1,67V / cell	76,75	63,2	52,8	39,2	28,8	23,0	13,4	9,96	8,01	6,78	5,88	4,70	3,90	2,05
1,65V / cell	79,6	65,1	54,3	40,1	29,4	23,4	13,5	10,10	8,09	6,84	5,93	4,73	3,92	2,06
1,60V / cell	85,7	69,7	57,1	42,0	30,6	24,3	14,0	10,30	8,26	6,96	6,02	4,79	3,97	2,07

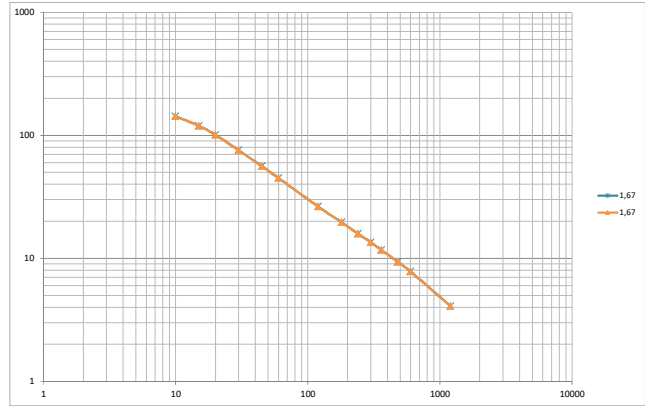
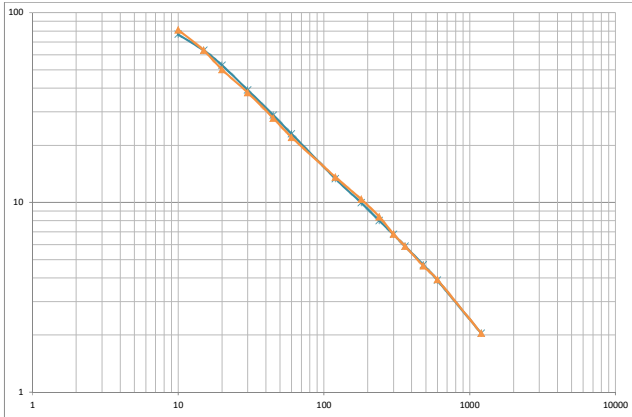
Constant Power Discharge (Watts) at 25°C (77°F)														
F.V / Time	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
1,85V / cell	110,50	95,55	83,17	64,48	48,57	39,41	23,52	17,92	14,67	12,40	10,85	8,82	7,42	3,97
1,80V / cell	130,70	109,68	94,33	71,16	52,92	42,44	25,17	18,86	15,36	12,95	11,39	9,16	7,69	4,02
1,75V / cell	144,40	121,00	102,05	78,92	58,60	45,18	26,39	19,50	15,74	13,31	11,52	9,29	7,75	4,05
1,70V / cell	157,87	130,55	109,42	81,07	59,46	47,40	27,37	20,10	16,11	13,65	11,75	9,38	7,82	4,08
1,67V / cell	165,60	136,10	111,20	83,60	61,00	48,50	27,80	20,40	16,40	13,80	11,90	9,40	7,90	4,10
1,65V / cell	171,86	140,24	116,76	85,61	62,46	49,46	28,05	20,70	16,47	13,89	11,98	9,54	7,92	4,13
1,60V / cell	185,57	150,45	123,26	89,94	64,88	51,38	28,99	21,17	16,82	14,13	12,22	9,66	7,98	4,14

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	76,75	63,2	52,8	39,2	28,8	23,0	13,4	9,96	8,01	6,78	5,88	4,70	3,90	2,05
1,67	81,3	63,2	50,1	37,9	27,8	22,1	13,6	10,40	8,40	6,81	5,89	4,63	3,92	2,05

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	143,1	119,5	101,0	75,6	56,1	45,0	26,4	19,7	15,9	13,5	11,7	9,38	7,81	4,11
1,67	143,1	119,5	101,0	75,6	56,1	45,0	26,4	19,7	15,9	13,5	11,7	9,38	7,81	4,11



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	165	132,30	102,60	89,30	78,20	61,00	46,30	37,80	22,90	17,60	14,50	12,30	10,80	8,80	7,41
1.8	204	164,00	119,20	100,90	87,40	66,50	49,90	40,30	24,30	18,40	15,10	12,80	11,30	9,12	7,67
1.75	228	183,30	129,10	109,50	93,20	71,00	52,80	42,50	25,30	18,90	15,40	13,10	11,40	9,22	7,72
1.7	248	200,00	138,30	116,20	98,40	73,90	54,90	44,20	26,10	19,40	15,70	13,40	11,60	9,32	7,77
1.65	269	216,80	147,90	122,80	103,60	77,20	57,20	45,80	26,60	19,90	16,00	13,60	11,80	9,44	7,84
1.6	289	232,90	158,20	130,60	108,50	80,70	59,20	47,40	27,40	20,30	16,30	13,80	12,00	9,54	7,91