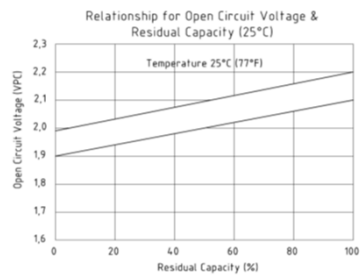
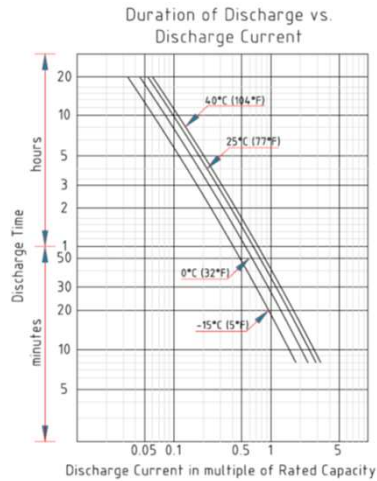
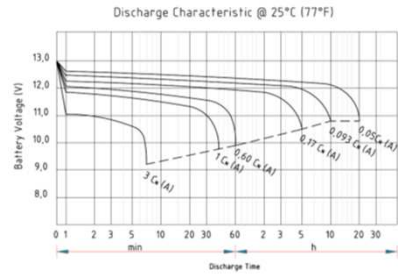
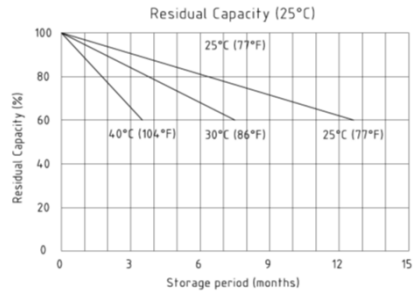
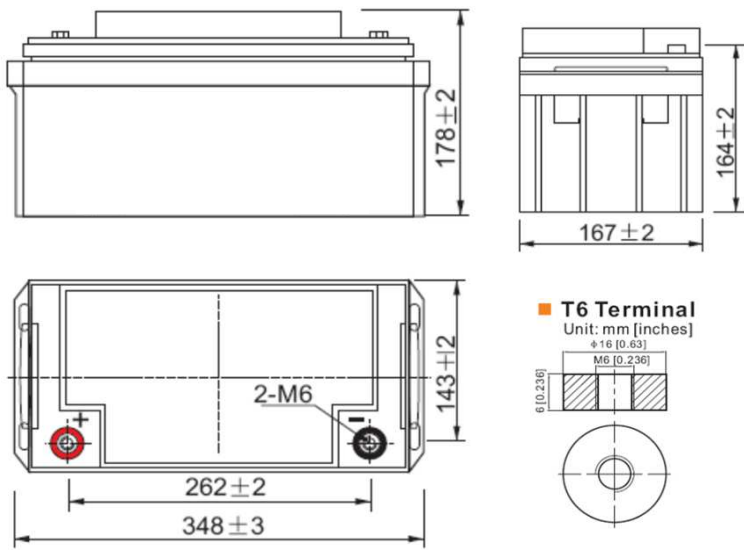


GENERAL PURPOSE BATTERIES



Specification	
Nominal Voltage	12 V
Nominal Capacity (20 Hr)	65Ah
Dimension	Length 348±3 mm (13,70 inches)
	Width 167±2 mm (6,57 inches)
	Container Height 178±2 mm (7,01 inches)
	Total Height (with terminal) 178±2 mm (7,01 inches)
Approx Weight	Approx 19,2 kg (42,3 lbs)
Terminal	T6
Container Material	ABS
Rated Capacity	68 Ah / 3,4A (20 hr, 1,80 V/cell, 25°C/77°F)
	65 Ah / 6,5A (10 hr, 1,80 V/cell, 25°C/77°F)
	56 Ah / 11,2A (5 hr, 1,75 V/cell, 25°C/77°F)
	48,9 Ah / 16,3A (3 hr, 1,75 V/cell, 25°C/77°F)
	41,6 Ah / 41,6A (1 hr, 1,60 V/cell, 25°C/77°F)
Max Discharge Current	780,0 A (5 s)
Internal Resistance	Approx 7,3 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 13 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)

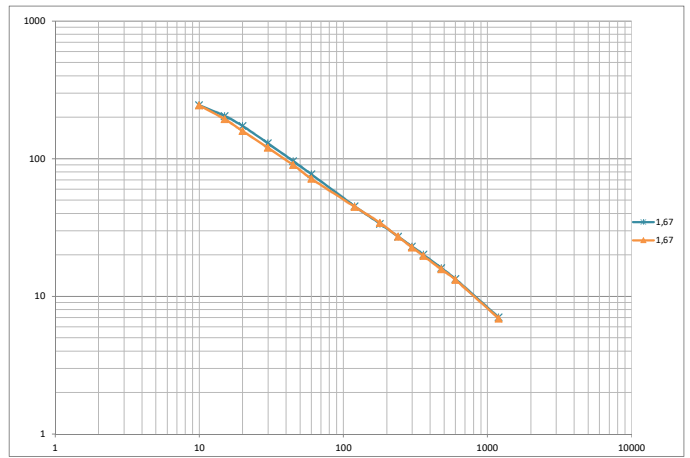
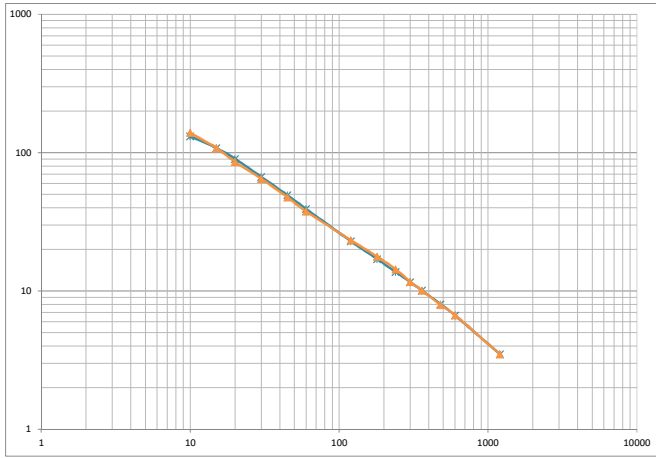
F.V / Time	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
1,85V / cell	91,7	79,0	68,6	53,2	40,2	32,6	19,7	15,0	12,3	10,5	9,20	7,44	6,26	3,35
1,80V / cell	107,3	89,9	77,2	58,3	43,5	34,9	21,0	15,8	12,9	11,0	9,59	7,74	6,50	3,40
1,75V / cell	117,0	98,2	82,7	62,5	46,2	36,9	21,9	16,3	13,2	11,2	9,78	7,86	6,57	3,44
1,70V / cell	126,4	104,8	87,8	65,3	48,1	38,5	22,6	16,8	13,6	11,5	9,98	7,97	6,63	3,48
1,67V / cell	131,25	108,1	90,3	66,9	49,2	39,25	22,9	17	13,7	11,6	10,09	8,03	6,67	3,50
1,65V / cell	136,1	111,4	92,8	68,5	50,3	40,0	23,2	17,2	13,8	11,7	10,20	8,09	6,70	3,52
1,60V / cell	146,6	119,2	97,7	71,9	52,3	41,6	23,9	17,6	14,1	11,9	10,30	8,20	6,79	3,54

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	189,01	163,50	142,19	110,24	83,19	67,35	40,16	30,54	25,00	21,27	18,59	15,04	12,72	6,80
1,80V / cell	223,58	187,62	161,46	121,78	90,57	72,55	43,10	32,29	26,24	22,26	19,45	15,67	13,14	6,88
1,75V / cell	246,96	207,08	174,54	131,64	96,91	77,28	45,16	33,44	26,98	22,76	19,80	15,91	13,26	6,93
1,70V / cell	270,08	223,35	187,15	138,55	101,59	81,19	46,76	34,40	27,60	23,23	20,16	16,04	13,38	6,98
1,67V / cell	283,20	232,80	190,10	142,90	104,30	83,10	47,60	34,90	27,90	23,50	20,30	16,10	13,50	7,04
1,65V / cell	293,99	239,93	199,70	146,50	106,80	84,56	48,09	35,36	28,21	23,70	20,51	16,37	13,55	7,07
1,60V / cell	317,30	257,24	210,84	153,91	111,02	88,02	49,62	36,19	28,79	24,17	20,88	16,50	13,62	7,08

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	131,25	108,1	90,3	66,9	49,2	39,25	22,9	17	13,7	11,6	10,09	8,03	6,67	3,50
1,67	139,1	108,1	85,7	64,8	47,6	37,7	23,3	17,8	14,4	11,7	10,08	7,92	6,70	3,50

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	244,8	204,5	172,8	129,2	95,8	77,0	45,1	33,6	27,2	23,0	20,1	16,1	13,35	7,02
1,67	243,8	193,7	158,8	119,9	89,8	71,7	44,7	34,1	27,1	22,7	19,6	15,7	13,2	6,89



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	281	226,30	175,50	152,80	133,70	104,30	79,30	64,60	39,10	30,00	24,70	21,10	18,50	15,00	12,70	6,80
1,8	348	280,50	203,90	172,60	149,60	113,80	85,40	68,90	41,60	31,50	25,80	22,00	19,30	15,60	13,10	6,88
1,75	389	313,50	220,80	187,40	159,40	121,50	90,40	72,70	43,30	32,40	26,40	22,40	19,60	15,80	13,20	6,93
1,7	425	342,10	236,60	198,80	168,30	126,30	93,80	75,70	44,60	33,20	26,90	22,80	19,90	15,90	13,30	6,98
1,65	460	370,90	253,00	210,10	177,20	132,10	97,80	78,30	45,60	34,00	27,40	23,20	20,20	16,20	13,40	7,06
1,6	494	398,30	270,50	223,30	185,60	138,10	101,30	81,20	46,90	34,70	27,90	23,60	20,50	16,30	13,50	7,07