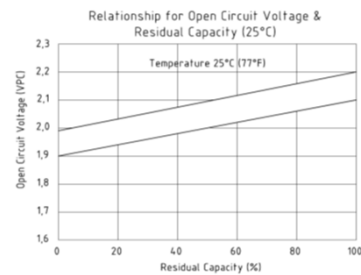
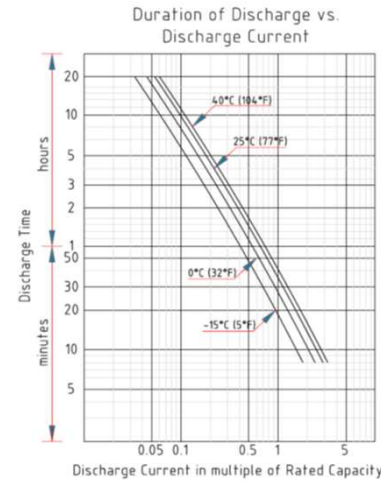
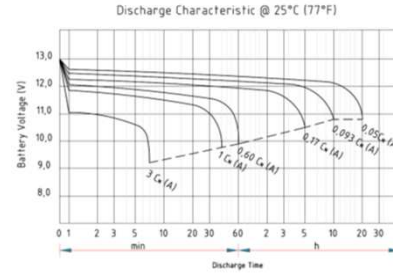
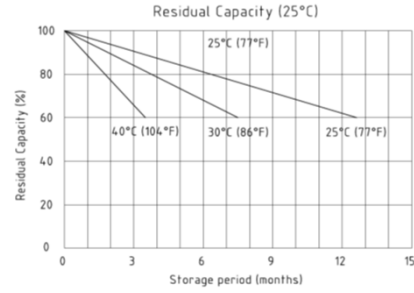
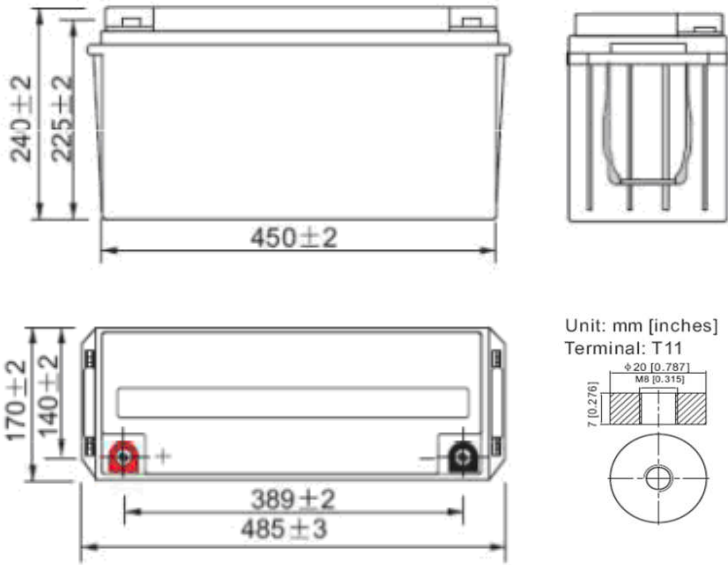


GENERAL PURPOSE BATTERIES



Specification	
Nominal Voltage	12 V
Nominal Capacity (20 Hr)	150Ah
Dimension	Length 485±3 mm (19,09 inches)
	Width 170±2 mm (6,69 inches)
	Container Height 240±2 mm (9,45 inches)
	Total Height (with terminal) 240±2 mm (9,45 inches)
Approx Weight	Approx 42,5 kg (93,7 lbs)
Terminal	T11
Container Material	ABS
Rated Capacity	156 Ah / 7,8A (20 hr, 1,80 V/cell, 25°C/77°F)
	150 Ah / 15A (10 hr, 1,80 V/cell, 25°C/77°F)
	130,5 Ah / 26,1A (5 hr, 1,75 V/cell, 25°C/77°F)
	115,2 Ah / 38,4A (3 hr, 1,75 V/cell, 25°C/77°F)
	93,9 Ah / 93,9A (1 hr, 1,60 V/cell, 25°C/77°F)
Max Discharge Current	1.500,0 A (5 s)
Internal Resistance	Approx 3,5 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 30 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	211,5	185,4	156,6	118,5	90,2	74,3	46,5	35,1	28,8	24,4	21,3	17,1	14,4	7,69
1,80V / cell	243,0	205,8	171,9	129,9	97,4	79,2	49,2	37,6	30,4	25,6	22,3	17,8	15,0	7,80
1,75V / cell	267,3	223,2	184,5	137,7	102,4	83,1	51,0	38,4	31,0	26,1	22,7	18,1	15,2	7,94
1,70V / cell	291,6	238,8	198,9	146,7	107,4	86,7	53,0	39,7	31,8	26,6	23,1	18,4	15,3	8,01
1,67V / cell	303,3	246,6	204,8	150,5	109,8	88,4	53,8	40,2	32,2	26,9	23,3	18,5	15,4	8,05
1,65V / cell	315,0	254,4	210,6	154,2	112,2	90,0	54,5	40,7	32,6	27,2	23,5	18,6	15,5	8,09
1,60V / cell	339,3	269,4	223,2	162,3	117,6	93,9	56,3	41,7	33,3	27,7	23,9	18,9	15,7	8,18

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

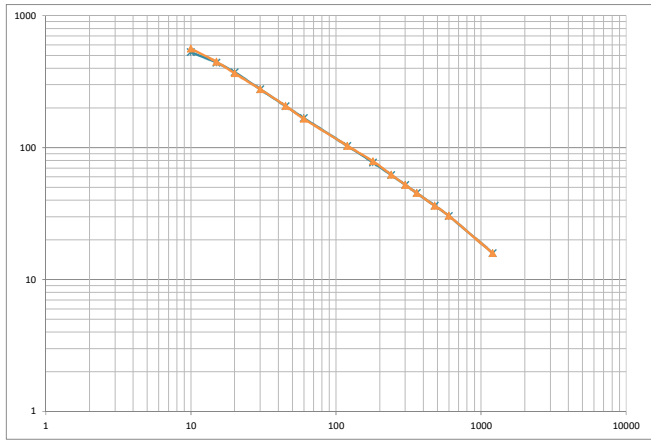
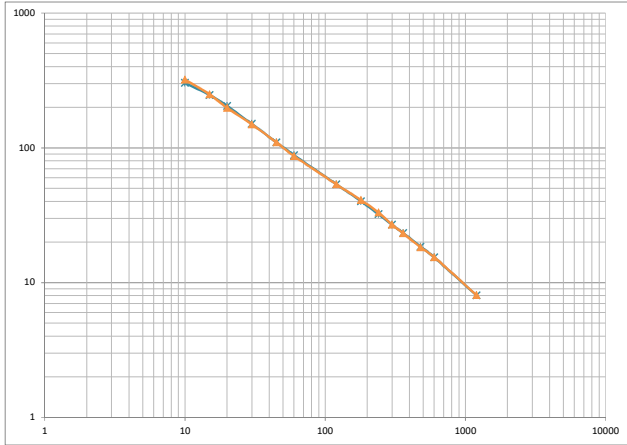
F.V / Time	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
1,85V / cell	420,78	370,22	313,95	238,77	181,90	149,29	92,74	69,53	56,98	48,28	42,01	33,78	28,54	15,20
1,80V / cell	486,41	411,86	344,62	260,89	197,04	160,06	98,21	74,62	60,10	50,50	43,95	35,26	29,69	15,40
1,75V / cell	536,99	448,41	371,64	277,69	207,32	168,70	102,21	76,37	61,42	51,71	44,65	35,76	30,03	15,71
1,70V / cell	584,33	481,08	403,77	297,84	218,87	177,07	106,63	79,15	63,00	52,68	45,48	36,32	30,38	15,81
1,67V / cell	610,00	498,50	407,60	306,90	224,60	181,10	108,50	80,30	63,70	53,30	46,00	36,60	30,60	15,91
1,65V / cell	636,66	516,87	430,06	313,96	228,56	183,71	109,56	81,12	64,65	53,73	46,30	36,88	30,73	16,01
1,60V / cell	676,47	543,05	454,40	329,79	239,04	191,33	113,10	83,02	66,05	54,68	47,15	37,26	31,08	16,11

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	303,3	246,6	204,8	150,5	109,8	88,4	53,8	40,2	32,2	26,9	23,3	18,5	15,4	8,05
1,67	321,1	249,5	197,9	149,5	109,8	87,0	53,8	41,0	33,2	26,9	23,3	18,3	15,5	8,08

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	529,9	440,4	372,35	277,3	205,7	167,6	102,8	77,2	62,1	52,2	45,3	36,3	30,4	15,9
1,67	562,7	447,1	366,4	276,7	207,1	165,4	103,2	78,7	62,5	52,2	45,3	36,2	30,4	15,9



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	588	473,90	390,70	346,00	295,20	225,90	173,40	143,20	90,30	68,30	56,30	47,90	41,80	33,70	28,50	15,20
1,8	699	563,30	443,60	378,90	319,30	243,80	185,80	152,00	94,80	72,80	59,10	49,90	43,60	35,10	29,60	15,40
1,75	803	646,90	480,10	405,80	339,40	256,30	193,40	158,70	98,00	74,00	60,10	50,90	44,20	35,50	29,90	15,70
1,7	857	690,90	511,90	428,20	363,10	271,50	202,10	165,10	101,70	76,40	61,40	51,70	44,90	36,00	30,20	15,80
1,65	917	739,20	547,90	452,60	381,60	283,10	209,30	170,10	103,90	78,00	62,80	52,60	45,60	36,50	30,50	16,00
1,6	981	790,70	576,70	471,40	400,00	295,90	218,10	176,50	106,90	79,60	64,00	53,40	46,30	36,80	30,80	16,10