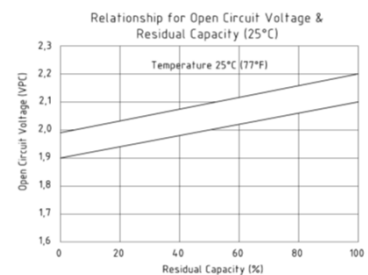
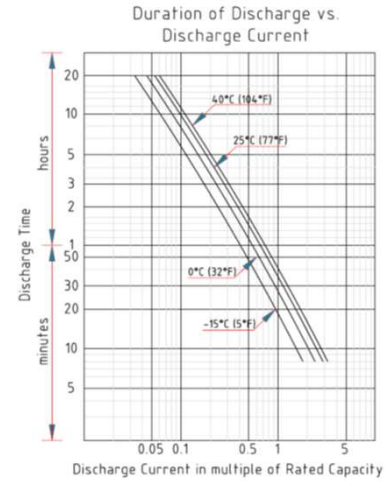
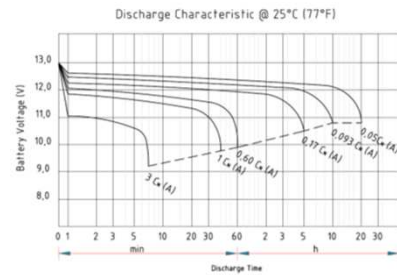
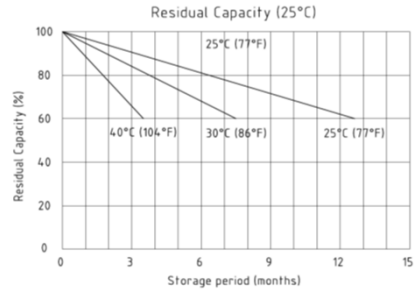
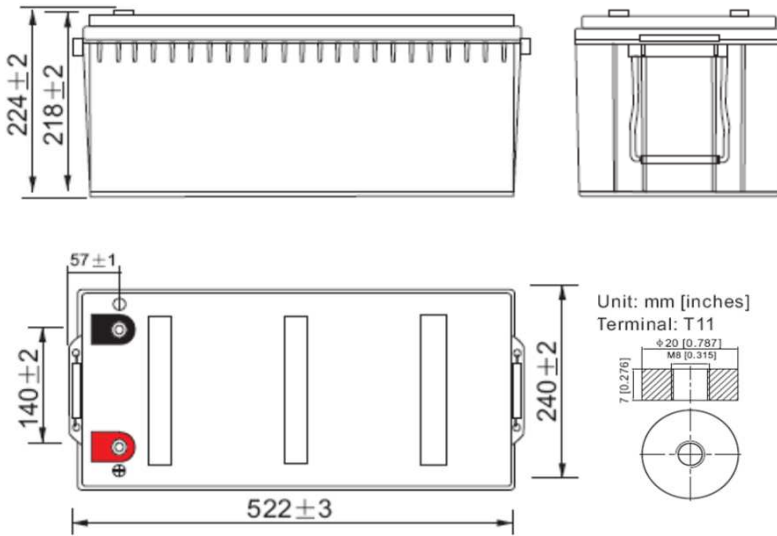


GENERAL PURPOSE BATTERIES



Specification	
Nominal Voltage	12 V
Nominal Capacity (20 Hr)	200Ah
Dimension	Length 522±3 mm (20,55 inches)
	Width 240±2 mm (9,45 inches)
	Container Height 218±2 mm (8,58 inches)
	Total Height (with terminal) 224±2 mm (8,81 inches)
Approx Weight	Approx 59,0 kg (130,0 lbs)
Terminal	T11
Container Material	ABS
Rated Capacity	208 Ah / 10,4A (20 hr, 1,80 V/cell, 25°C/77°F)
	200 Ah / 20A (10 hr, 1,80 V/cell, 25°C/77°F)
	172,5 Ah / 34,5A (5 hr, 1,75 V/cell, 25°C/77°F)
	156 Ah / 52A (3 hr, 1,75 V/cell, 25°C/77°F)
	122 Ah / 122A (1 hr, 1,60 V/cell, 25°C/77°F)
Max Discharge Current	2.000,0 A (5 s)
Internal Resistance	Approx 2,7 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 40 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	278,4	240,0	204,6	154,8	115,1	94,3	60,1	46,2	37,6	31,3	27,2	22,1	18,9	10,30
1,80V / cell	343,9	282,4	235,8	179,5	133,9	105,6	65,5	50,6	40,6	33,6	29,2	23,4	20,0	10,40
1,75V / cell	377,8	302,0	250,2	189,2	139,0	110,5	68,0	52,0	41,7	34,5	30,0	23,8	20,2	10,50
1,70V / cell	411,8	322,5	264,0	196,4	144,5	114,0	70,7	53,5	42,7	35,3	30,6	24,2	20,4	10,70
1,67V / cell	428,1	332,7	272,7	200,5	146,3	115,9	71,7	54,65	43,45	35,8	30,95	24,45	20,6	10,75
1,65V / cell	444,4	342,9	281,4	204,6	148,1	117,8	72,7	55,8	44,2	36,3	31,3	24,7	20,8	10,80
1,60V / cell	476,4	366,7	297,6	216,0	154,4	122,0	75,1	57,5	45,5	37,3	32,0	25,1	21,0	10,90

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

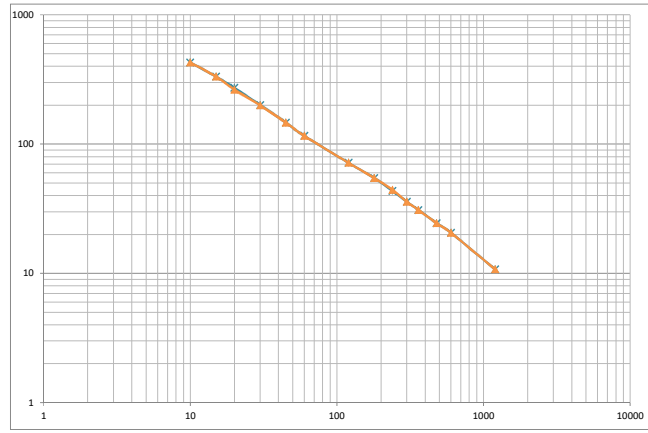
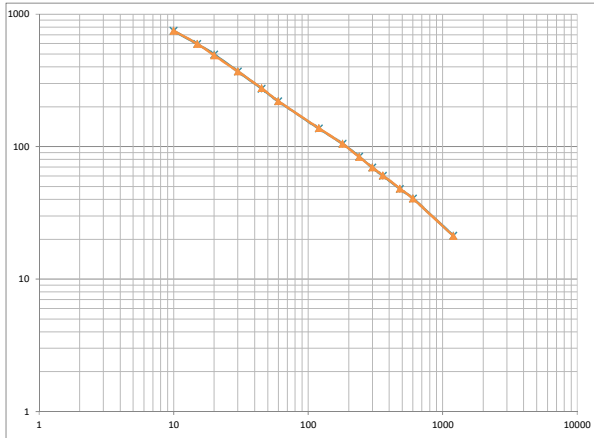
F.V / Time	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
1,85V / cell	553,90	479,15	410,19	311,81	232,14	189,63	119,75	91,72	74,28	61,79	53,77	43,71	37,45	20,40
1,80V / cell	688,27	565,13	472,73	360,52	270,85	213,34	130,95	100,55	80,24	66,29	57,66	46,31	39,62	20,61
1,75V / cell	759,13	606,87	503,92	381,59	281,40	224,29	136,22	103,72	82,48	68,28	59,20	47,14	40,08	20,71
1,70V / cell	825,30	649,61	535,98	398,76	294,58	232,73	142,18	106,81	84,75	69,90	60,48	47,82	40,44	21,11
1,67V / cell	860,10	674,70	548,80	410,20	300,10	237,30	144,70	109,00	85,60	71,00	61,40	48,80	40,80	21,27
1,65V / cell	898,34	696,73	574,66	416,65	301,72	240,52	146,05	111,28	87,61	71,71	61,74	48,90	41,31	21,42
1,60V / cell	949,90	739,24	605,94	438,90	313,89	248,67	150,77	114,52	90,09	73,73	63,04	49,61	41,77	21,52

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	428,1	332,7	272,7	200,5	146,3	115,9	71,7	54,65	43,45	35,8	30,95	24,45	20,6	10,75
1,67	428,1	332,7	263,8	199,3	146,3	115,9	71,7	54,7	44,3	35,8	31,0	24,4	20,6	10,75

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	748,05	594,15	495,95	369,6	274,2	219,9	137,1	105,1	83,9	69,4	60,3	47,9	40,6	21,3
1,67	750,3	596,2	488,5	369,0	276,2	220,6	137,6	105,0	83,3	69,7	60,4	48,3	40,6	21,2



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	777	625,90	514,30	447,80	385,70	295,00	221,30	181,90	116,60	90,10	73,40	61,30	53,50	43,60	37,40
1,8	1031	831,20	627,70	519,90	438,00	336,90	255,40	202,60	126,40	98,10	78,90	65,50	57,20	46,10	39,50
1,75	1120	902,67	678,70	549,20	460,20	352,20	262,50	211,00	130,60	100,50	80,70	67,20	58,60	46,80	39,90
1,7	1193	961,59	723,00	578,20	482,00	363,50	272,00	217,00	135,60	103,10	82,60	68,60	59,70	47,40	40,20
1,65	1275	1028,22	773,10	610,10	509,90	375,70	276,30	222,70	138,50	107,00	85,10	70,20	60,80	48,40	41,00
1,6	1336	1077,03	809,80	641,70	533,40	393,80	286,40	229,40	142,50	109,80	87,30	72,00	61,90	49,00	41,40