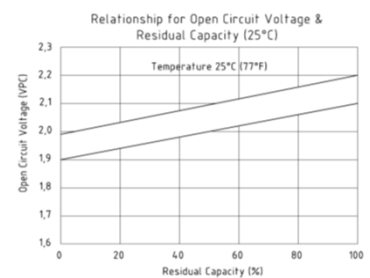
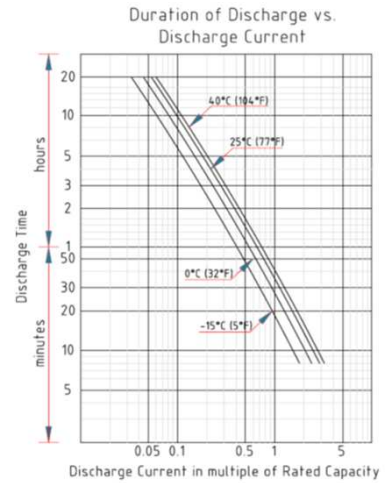
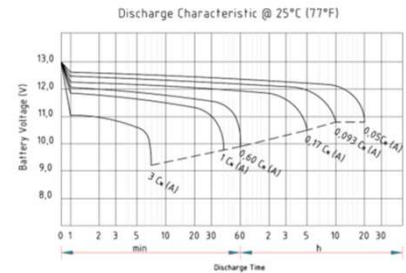
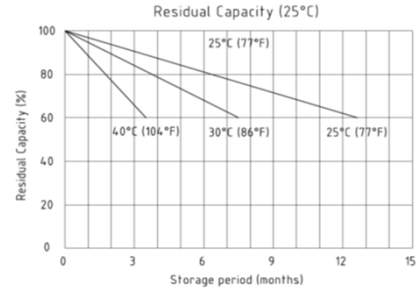
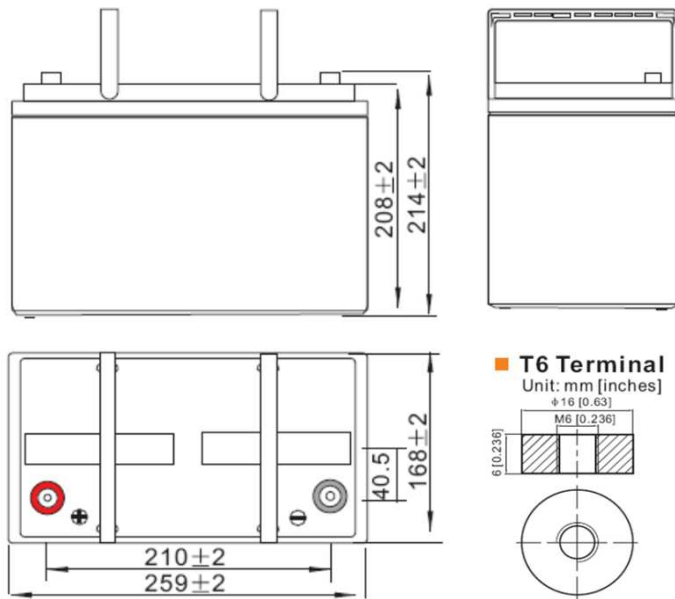


GENERAL PURPOSE BATTERIES



Specification

Nominal Voltage	12 V	
Nominal Capacity (20 Hr)	80Ah	
Dimension	Length	259±2 mm (10,20 inches)
	Width	168±2 mm (6,61 inches)
	Container Height	208±2 mm (8,19 inches)
	Total Height (with terminal)	214±2 mm (8,43 inches)
Approx Weight	Approx 22,6 kg (49,8 lbs)	
Terminal	T6	
Container Material	ABS	
Rated Capacity	83,2 Ah / 4,16A	(20 hr, 1,80 V/cell, 25°C/77°F)
	80 Ah / 8A	(10 hr, 1,80 V/cell, 25°C/77°F)
	69 Ah / 13,8A	(5 hr, 1,75 V/cell, 25°C/77°F)
	62,4 Ah / 20,8A	(3 hr, 1,75 V/cell, 25°C/77°F)
	48,8 Ah / 48,8A	(1 hr, 1,60 V/cell, 25°C/77°F)
Max Discharge Current	960,0 A (5 s)	
Internal Resistance	Approx 6 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 7,2 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	107,6	91,5	76,6	60,9	46,1	37,7	24,0	19,0	15,5	12,5	10,9	8,84	7,55	4,12
1,80V / cell	137,5	110,6	90,5	71,8	53,6	42,2	26,2	20,4	16,6	13,4	11,7	9,38	8,00	4,16
1,75V / cell	151,1	120,8	97,4	74,6	55,6	44,2	27,2	20,8	16,9	13,8	12,0	9,54	8,08	4,20
1,70V / cell	164,7	129,0	102,3	77,6	57,8	45,6	28,3	21,4	17,4	14,1	12,2	9,67	8,16	4,28
1,67V / cell	171,3	133,1	105,5	79,8	58,6	46,4	28,7	21,9	17,7	14,3	12,4	9,75	8,25	4,31
1,65V / cell	177,8	137,2	108,7	81,9	59,3	47,1	29,1	22,3	18,0	14,5	12,5	9,82	8,33	4,34
1,60V / cell	193,0	146,7	115,8	86,4	61,8	48,8	30,0	23,0	18,5	15,0	12,8	9,92	8,42	4,36

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	214,11	182,76	153,46	122,61	92,84	75,79	47,96	37,67	30,66	24,70	21,51	17,44	14,92	8,16
1,80V / cell	275,33	221,31	181,43	144,25	108,38	85,40	52,42	40,59	32,75	26,51	23,08	18,58	15,85	8,23
1,75V / cell	303,67	242,77	196,11	150,38	112,56	89,72	54,55	41,49	33,52	27,23	23,64	18,83	15,97	8,30
1,70V / cell	330,12	259,87	207,72	157,53	117,83	93,09	56,83	42,68	34,00	27,92	24,21	19,17	16,20	8,46
1,67V / cell	345,30	269,90	218,70	162,60	120,10	94,90	57,80	43,60	34,20	28,40	24,60	19,50	16,30	8,51
1,65V / cell	359,29	278,65	222,02	166,68	120,67	96,23	58,42	44,51	35,72	28,70	24,67	19,60	16,52	8,56
1,60V / cell	384,86	295,72	235,72	175,54	125,60	99,40	60,31	45,79	36,74	29,59	25,25	19,64	16,65	8,59