



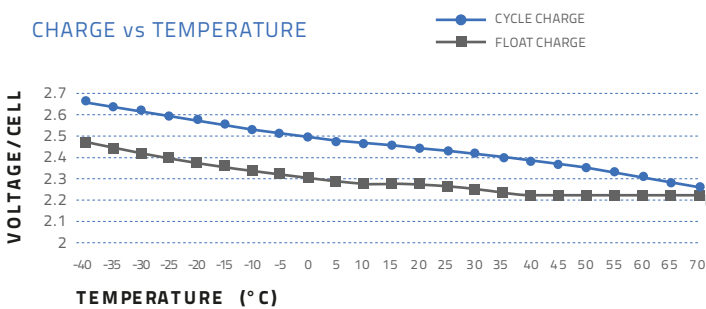
**DISCHARGE CURRENT AND END VOLTAGE**

Discharge current (A)	End voltage (V)
0.05C or below or Intermittent discharge	11.4
0.05C of current close to it	11.1
0.1C of current close to it	10.8
0.2C of current close to it	10.5
From 0.2C to 0.5C	10.2
From 0.5C to 1C	9.6
From 1C to 3C	9.0
Current in excess of 3C	7.8

**SPECIFICATION**

Nominal Voltage	12V		
Rated Capacity (10 hour rate)	155 AH		
Dimension	Total Height (top of terminal)	283 mm	11.14"
	Height	283 mm	11.14"
	Length	559 mm	22.00"
	Width	125 mm	4.92"
Weight	Approximately 45kg / 99.20lbs		
Capacity 25° C	120 hour rate (1.55A)	186 AH	
	20 hour rate (8.5A)	170 AH	
	10 hour rate (15.5A)	155 AH	
Internal Resistance	Fully charged Battery (25° C)	3.5mΩ	
Self-Discharge 25° C	Capacity after 3 month storage	95%	
	Capacity after 6 month storage	85%	
	Capacity after 12 month storage	80%	
Max Discharge Current 25° C	1550A (5S)		
Terminal	Standard	F4	
	Optional		
Charging (Constant Voltage)	Cycle	Initial Charging Current 46.5A 14.7V/ (25 )	
	Float	13.6V/ (25 )	

**CHARGE vs TEMPERATURE**



**CHARGE vs TEMPERATURE CHART**

temperature	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
Cycle Charge	2.66	2.64	2.62	2.60	2.58	2.56	2.54	2.52	2.50	2.48	2.47	2.47	2.45	2.45	2.43	2.41	2.39	2.37	2.35	2.33	2.31	2.29	2.27
Float Charge (voltage/cell)	2.46	2.44	2.42	2.40	2.38	2.36	2.34	2.32	2.31	2.30	2.29	2.29	2.29	2.27	2.26	2.24	2.23	2.23	2.23	2.23	2.23	2.23	2.23

**CONSTANT CURRENT DISCHARGE CHARACTERISTICS: UNITS AMPERES (25° C)**

End Voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	568.79	301.01	181.88	132.60	106.80	61.19	44.44	34.85	29.73	25.27	19.26	16.04	13.46	8.76	7.16
1.67V	528.61	291.15	179.18	131.69	106.61	60.93	43.63	34.67	29.30	25.09	19.24	15.86	13.44	8.74	7.13
1.70V	523.22	286.69	177.38	129.91	105.73	60.39	43.36	34.49	28.85	24.82	19.17	15.86	13.40	8.71	7.12
1.75V	479.32	277.70	175.62	129.02	103.93	59.22	43.18	34.06	28.58	24.64	19.08	15.68	13.33	8.67	7.11
1.80V	430.03	259.78	168.42	125.43	101.24	58.33	43.01	33.96	28.22	24.37	18.99	15.50	13.26	8.38	7.10
1.83V	411.06	238.33	165.76	120.96	96.77	57.79	41.30	32.52	27.60	23.47	18.59	14.87	12.72	8.29	7.00
1.85V	385.21	231.14	155.00	116.48	94.07	55.46	40.23	32.07	26.88	22.70	18.37	14.69	12.54	8.20	6.94

**DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL (25° C)**

End Voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	950.45	528.54	340.42	248.14	199.62	115.56	84.48	66.92	56.53	48.55	37.45	31.00	26.07	17.38	14.24
1.67V	904.78	520.48	326.65	246.36	199.77	115.56	83.40	66.83	56.53	48.46	37.45	30.91	26.07	17.38	14.24
1.70V	899.40	516.89	326.50	246.36	197.97	114.67	83.22	66.58	55.63	48.11	37.18	30.64	25.80	17.29	14.24
1.75V	837.60	510.62	326.86	246.35	197.08	113.77	83.05	66.47	55.45	47.75	37.00	30.43	25.80	17.29	14.15
1.80V	768.63	484.64	319.81	241.87	196.19	113.77	82.95	66.29	55.09	47.75	36.91	30.28	25.80	16.84	14.15
1.83V	741.74	445.23	317.13	234.71	188.12	112.87	80.62	64.05	54.47	46.23	36.91	29.38	25.35	16.66	14.06
1.85V	687.10	435.37	294.73	225.76	182.75	110.19	78.39	63.25	52.94	45.33	35.48	29.11	24.90	16.48	13.98

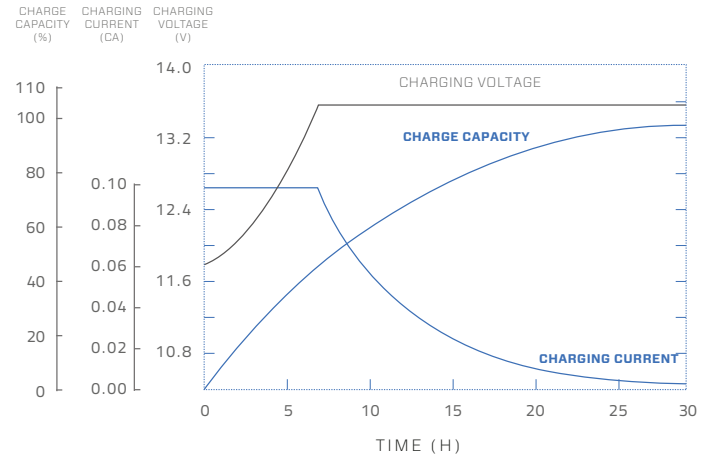
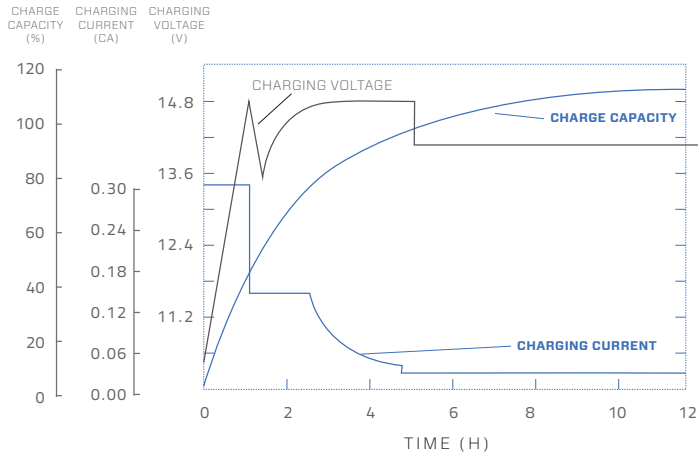


**CYCLE CHARGE CHARACTERISTIC (25°C)**

**FLOATING CHARGE CHARACTERISTIC (25°C)**

REGULAR CYCLE CHARGE CHARACTERISTICS 77°F (25°C)

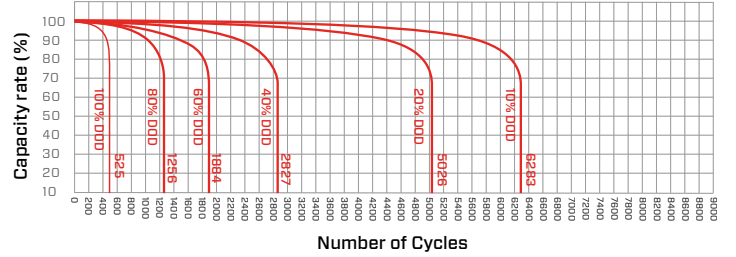
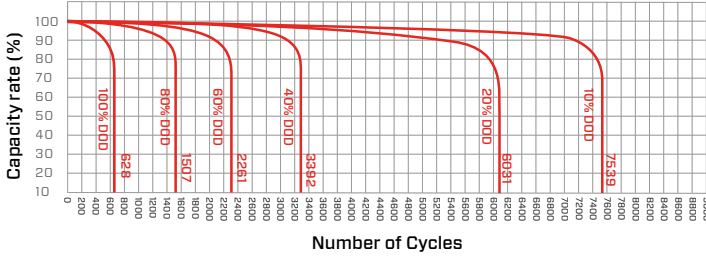
FLOATING CHARGE CHARACTERISTICS 77°F (25°C)



**CYCLE LIFE CURVE GRAPH**

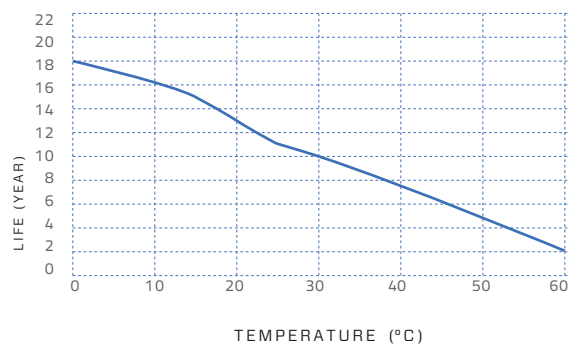
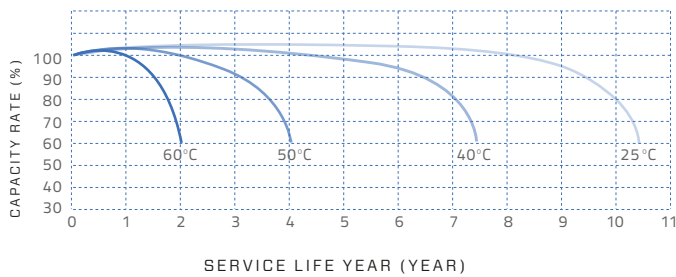
Cycle life curve graph (25°C) 12V

Cycle life curve graph (40°C) 12V

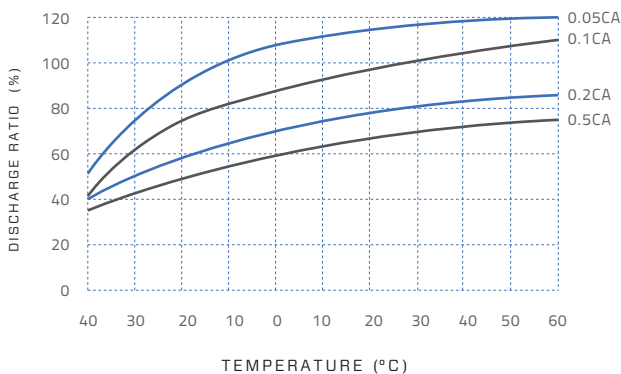


**TEMPERATURE & FLOAT SERVICE LIFE**

**FLOAT SERVICE LIFE CURVE GRAPH**



**TEMPERATURE & DISCHARGE CAPACITY**



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