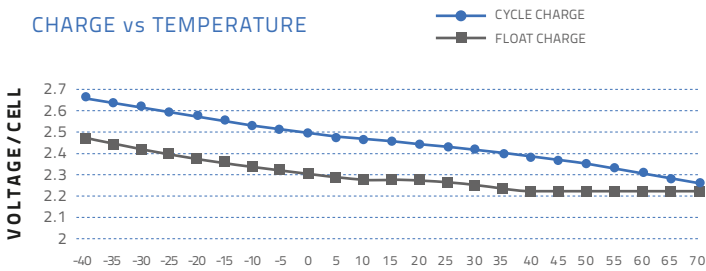




**SPECIFICATION**

Nominal Voltage	12V	
Rated Capacity (3 hour rate)	32 AH	
Dimension	Total Height (top of terminal)	175 mm 6.88"
	Height	170 mm 6.69"
	Length	222 mm 8.74"
	Width	105 mm 4.13"
Weight	Approximately 12 kg / 26.43 lbs	
Capacity 25°C	10 hour rate (3.6A)	36 AH
	5 hour rate (6.6A)	34 AH
	2 hour rate (13.5A)	27 AH
Internal Resistance	Fully charged Battery (25°C)	=<9.5mΩ
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	320A (5S)	
Terminal	Standard	F7
	Optional	
Charging this battery (Constant Voltage)	Cyclic Application	Initial Charging Current 6.4A 14.6V~14.7V (25°C)
	Float Application	13.6V~13.7V (25°C)

**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	2.61	2.59	2.57	2.55	2.53	2.51	2.49	2.47	2.45	2.43	2.41	2.39	2.37	2.35	2.33	2.31	2.29	2.27	2.25	2.25	2.25	2.25	2.25
Float Charge (voltage/cell)	2.45	2.43	2.42	2.40	2.39	2.37	2.36	2.34	2.33	2.31	2.30	2.28	2.27	2.25	2.24	2.22	2.21	2.21	2.21	2.21	2.21	2.21	2.21

**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	97.3	62.1	40.9	30.8	21.2	14.2	10.8	8.60	7.20	6.57	4.95	3.78	3.19	1.99	1.67
1.67V	83.7	56.3	37.9	29.2	21.0	14.0	10.5	8.42	7.02	6.30	4.77	3.71	3.19	1.99	1.67
1.70V	80.0	54.5	36.7	28.8	20.8	13.9	10.4	8.24	6.93	6.03	4.64	3.67	3.19	1.99	1.66
1.75V	72.7	51.0	35.3	27.7	20.6	13.7	10.3	8.10	6.79	5.81	4.50	3.64	3.16	1.99	1.66
1.80V	64.3	46.8	33.9	26.7	20.5	13.5	10.0	7.96	6.66	5.76	4.39	3.60	3.09	1.98	1.65
1.83V	56.1	42.7	31.4	24.8	20.0	13.3	9.81	7.63	6.53	5.58	4.25	3.49	3.01	1.97	1.61
1.85V	48.0	38.7	28.8	22.9	19.4	13.1	9.45	7.34	6.39	5.40	4.10	3.39	2.92	1.97	1.56

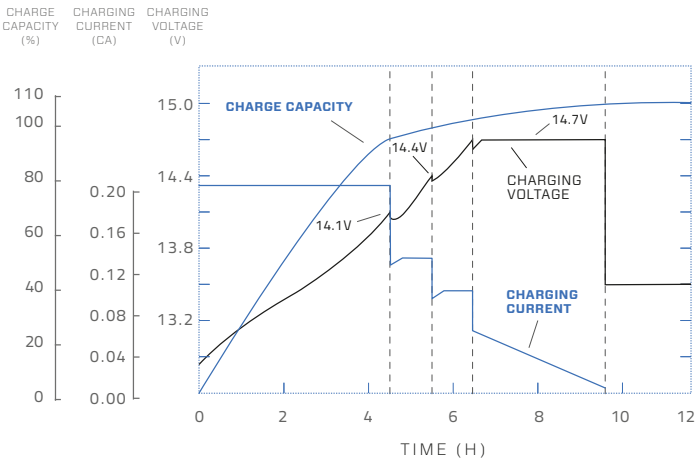
**DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL (25°C)**

End Voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	160	108	74.0	56.5	39.3	28.5	20.0	16.2	13.8	12.1	9.18	7.48	6.26	3.89	3.26
1.67V	143	100	69.0	53.6	39.2	27.6	20.0	16.2	13.4	12.0	9.00	7.31	6.26	3.89	3.26
1.70V	138	98.3	67.2	53.2	39.1	26.9	19.5	16.1	13.1	11.9	8.97	7.24	6.26	3.89	3.26
1.75V	127	92.5	65.0	51.5	38.9	26.0	19.2	15.8	12.8	11.7	8.78	7.16	6.26	3.89	3.25
1.80V	116	84.8	62.8	50.1	38.8	25.1	19.1	15.5	12.5	11.6	8.64	7.09	6.08	3.85	3.25
1.83V	102	78.4	58.7	47.0	38.7	24.2	18.9	15.0	12.1	11.2	8.35	6.91	5.94	3.85	3.16
1.85V	88.7	72.2	54.6	43.8	38.5	23.3	18.8	14.5	11.6	10.9	8.06	6.73	5.80	3.82	3.09



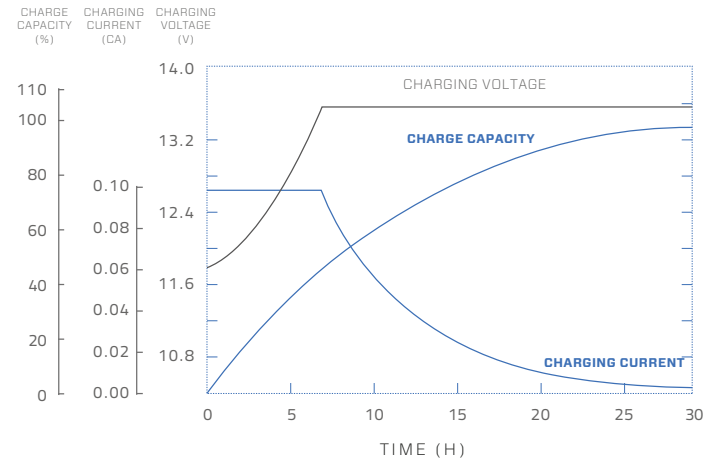
**CYCLE CHARGE CHARACTERISTIC 77°F (25°C)**

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



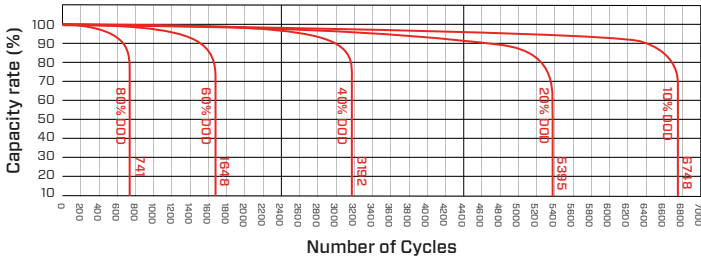
**FLOATING CHARGE CHARACTERISTIC (25°C)**

FLOATING CHARGE CHARACTERISTICS 77°F (25°C)

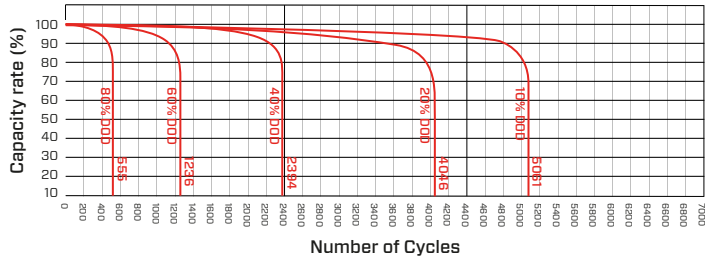


**CYCLE LIFE CURVE GRAPH**

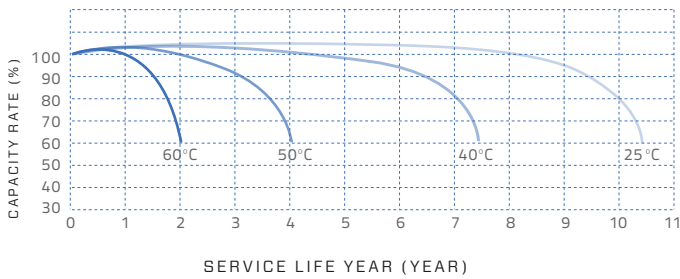
Cycle life curve graph (25°C)



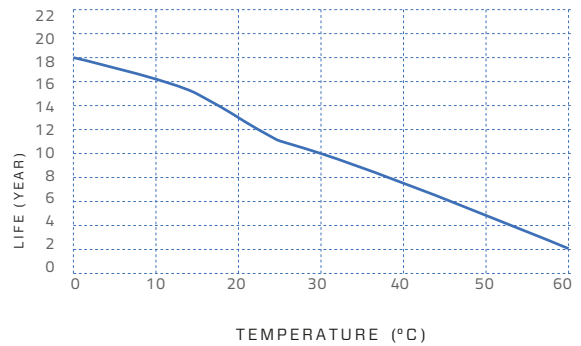
Cycle life curve graph (40°C)



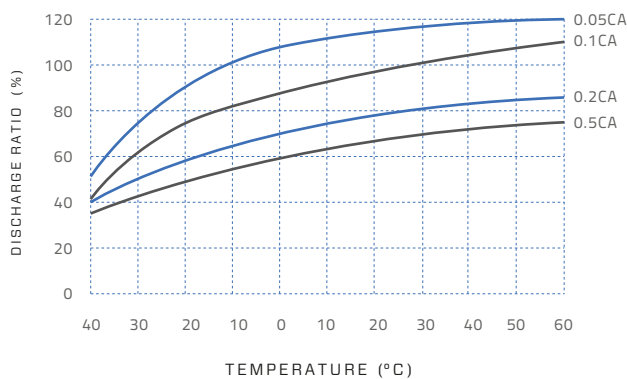
**TEMPERATURE AND FLOAT SERVICE LIFE**



**FLOAT SERVICE LIFE CURVE GRAPH**



**TEMPERATURE & DISCHARGE CAPACITY**



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