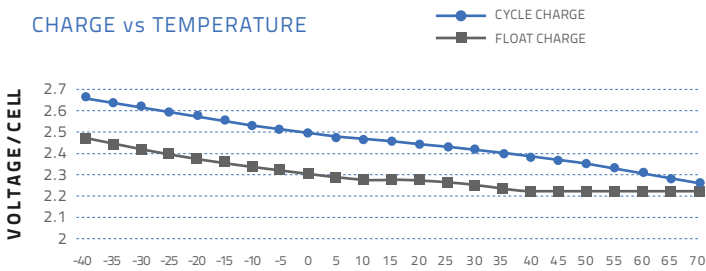




**SPECIFICATION**

Nominal Voltage	12V	
Rated Capacity (3 hour rate)	70 AH	
Dimension	Total Height (top of terminal)	215mm 8.46"
	Height	215 mm 8.46"
	Length	260 mm 10.23"
	Width	170 mm 6.69"
Weight	Approximately 26.6 kg / 58.59 lbs	
Capacity 25° C	10 hour rate (8A)	80 AH
	5 hour rate (15.4A)	77 AH
	2 hour rate (30A)	60 AH
Internal Resistance	Fully charged Battery (25° C)	=<8.0mΩ
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	700A (5S)	
Terminal	Standard	M8
	Optional	
Charging this battery (Constant Voltage)	Cyclic Application	Initial Charging Current 14A 14.7V (25° C)
	Float Application	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 (voltage/cell)	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	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	216	137	90.8	68.4	47.2	31.6	24.0	19.1	16.0	14.6	11.0	8.40	7.40	4.60	3.70
1.67V	186	125	84.2	64.8	46.6	31.2	23.4	18.7	15.6	14.0	10.6	8.24	7.26	4.52	3.70
1.70V	177	121	81.6	64.0	46.2	30.8	23.3	18.3	15.4	13.4	10.3	8.16	7.20	4.48	3.69
1.75V	161	113	78.4	61.5	45.8	30.4	23.0	18.0	15.2	12.9	10.0	8.08	7.13	4.40	3.68
1.80V	142	103	75.4	59.2	45.6	30.0	22.4	17.6	14.8	12.8	9.80	8.00	7.00	4.32	3.67
1.83V	124	94.9	69.6	55.0	44.4	29.6	21.8	16.9	14.5	12.4	9.44	7.76	6.68	4.28	3.56
1.85V	106	86.0	64.0	50.9	43.2	29.2	21.0	16.3	14.2	12.0	9.12	7.54	6.48	4.24	3.46

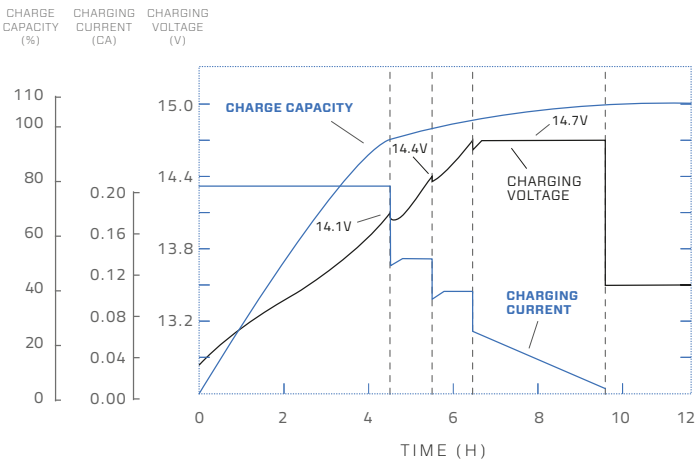
**DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL (25° C)**

End Voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	356	240	164	125	87.3	63.3	44.5	35.8	30.5	26.8	20.2	16.5	13.8	8.59	7.21
1.67V	318	223	153	119	87.1	61.3	44.5	35.7	29.9	26.5	19.8	16.1	13.8	8.59	7.21
1.70V	308	218	149	118	86.8	59.7	43.3	35.4	29.5	26.3	19.8	15.9	13.8	8.59	7.20
1.75V	284	205	144	114	86.5	57.7	42.7	34.9	29.2	25.9	19.4	15.8	13.8	8.59	7.19
1.80V	258	188	139	111	86.2	55.8	42.3	34.3	28.8	25.5	19.1	15.6	13.4	8.51	7.17
1.83V	227	174	130	104	85.9	53.8	42.0	33.1	28.6	24.8	18.4	15.2	13.1	8.51	6.99
1.85V	197	160	121	97.2	85.6	51.7	41.7	31.9	28.2	24.1	17.8	14.8	12.8	8.43	6.82



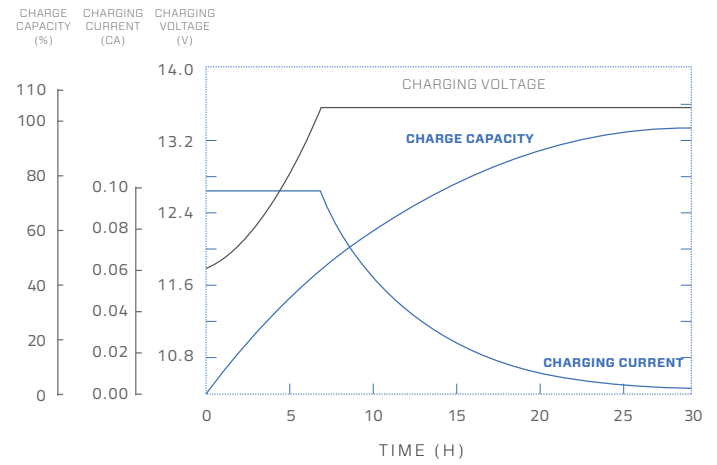
**CYCLE CHARGE CHARACTERISTIC 77°F (25°C)**

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



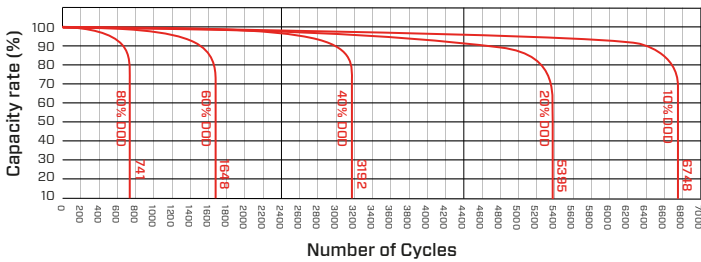
**FLOATING CHARGE CHARACTERISTIC (25°C)**

FLOATING CHARGE CHARACTERISTICS 77°F (25°C)

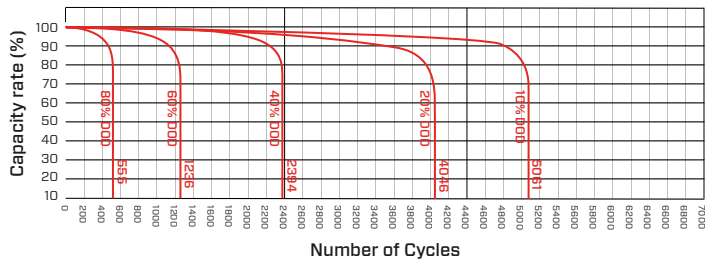


**CYCLE LIFE CURVE GRAPH**

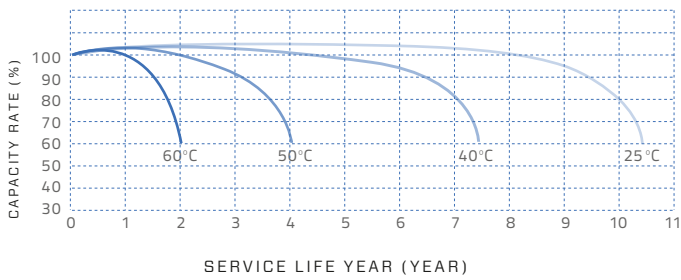
Cycle life curve graph (25°C)



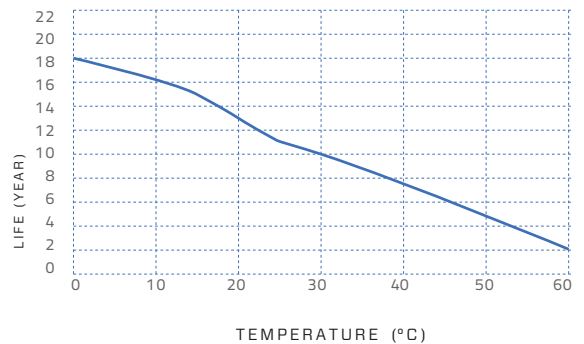
Cycle life curve graph (40°C)



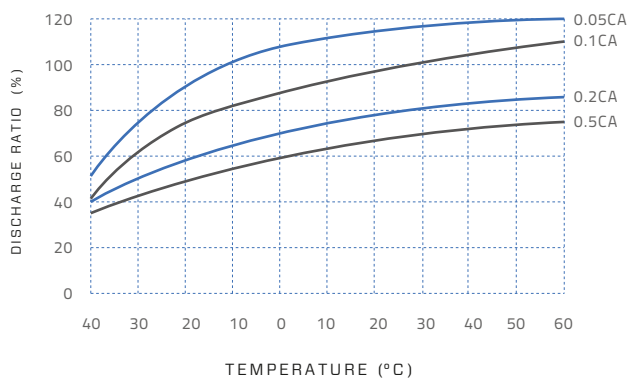
**TEMPERATURE AND FLOAT SERVICE LIFE**



**FLOAT SERVICE LIFE CURVE GRAPH**



**TEMPERATURE & DISCHARGE CAPACITY**



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