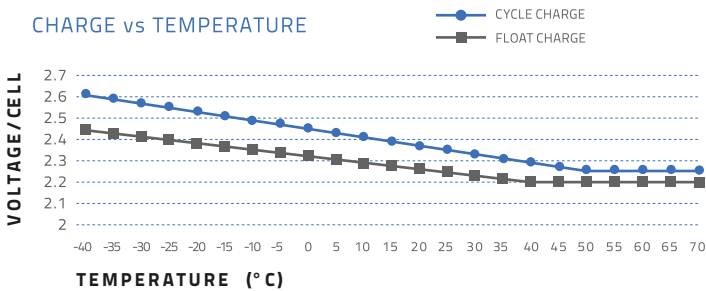




**SPECIFICATION**

Nominal Voltage	12V		
Rated Capacity (3 hour rate)	120 AH		
Dimension	Total Height (top of terminal)	252 mm	9.92"
	Height	252 mm	9.92"
	Length	408 mm	16.06"
	Width	172 mm	6.77"
Weight	Approximately 41.5 kg / 91.41 lbs		
Capacity 25°C	10 hour rate (14A)	140 AH	
	5 hour rate (26.6A)	133 AH	
	2 hour rate (53A)	106 AH	
Internal Resistance	Fully charged Battery (25°C)	=<6.0mΩ	
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	1200A (5S)		
Terminal	Standard	M8	
	Optional		
Charging this battery (Constant Voltage)	Cyclic Application	Initial Charging Current 24A 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)	2.61	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	2.4	2.39	2.37	2.36	2.34	2.33	2.31	2.3	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	378.3	241.3	159.0	119.7	82.6	55.3	42.0	33.5	28.0	25.6	19.2	14.7	12.9	8.05	6.48
1.67V	325.6	218.8	147.42	113.4	81.6	54.6	41.0	32.7	27.4	24.5	18.5	14.4	12.7	7.91	6.48
1.70V	311.0	212.1	142.8	112.0	80.9	53.9	40.6	32.1	27.0	23.5	18.0	14.2	12.6	7.84	6.46
1.75V	282.7	198.5	137.2	107.6	80.2	53.2	40.1	31.5	26.6	22.6	17.5	14.1	12.4	7.70	6.45
1.80V	250.0	181.8	132.0	103.7	79.8	52.5	39.2	30.9	26.0	22.5	17.1	14.0	12.2	7.56	6.42
1.83V	218.2	166.1	121.9	96.4	77.7	51.8	38.2	29.6	25.4	21.7	16.5	13.5	11.6	7.49	6.24
1.85V	186.6	150.5	112.0	89.1	75.6	51.1	36.8	28.5	24.9	21.0	15.9	13.2	11.3	7.42	6.06

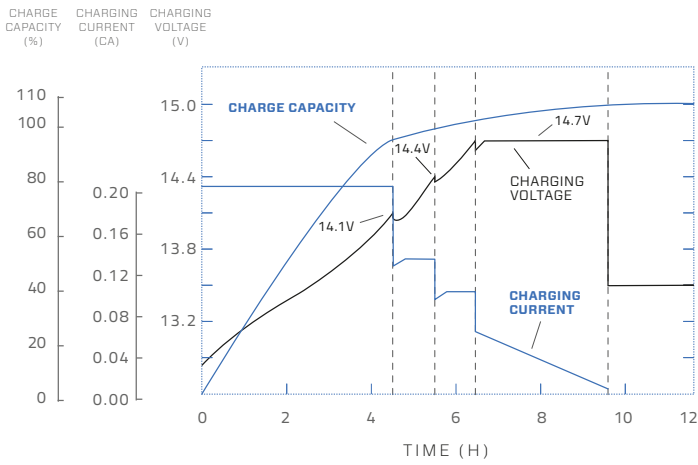
**DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL (25°C)**

End Voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	624.1	420.2	287.6	219.2	152.8	110.8	78.0	62.8	53.4	46.9	35.5	28.9	24.2	15.0	12.6
1.67V	557.5	391.8	269.2	209.7	152.5	107.4	77.9	62.5	52.3	46.3	34.8	28.2	24.2	15.0	12.6
1.70V	539.5	381.6	261.8	207.5	152.0	104.6	75.9	62.1	51.6	46.1	34.7	27.9	24.2	15.0	12.6
1.75V	498.1	358.8	253.2	201.1	151.4	101.1	74.8	61.1	51.2	45.4	33.9	27.7	24.2	15.0	12.5
1.80V	451.5	330.6	244.5	194.7	150.9	97.7	74.1	60.0	50.5	44.7	33.4	27.4	23.5	14.9	12.5
1.83V	398.7	306.1	228.4	182.4	150.3	94.1	73.6	58.0	50.1	43.4	32.3	26.7	22.9	14.9	12.2
1.85V	345.9	281.6	212.2	170.2	149.9	90.5	73.0	55.9	49.4	42.2	31.2	26.0	22.4	14.7	11.9



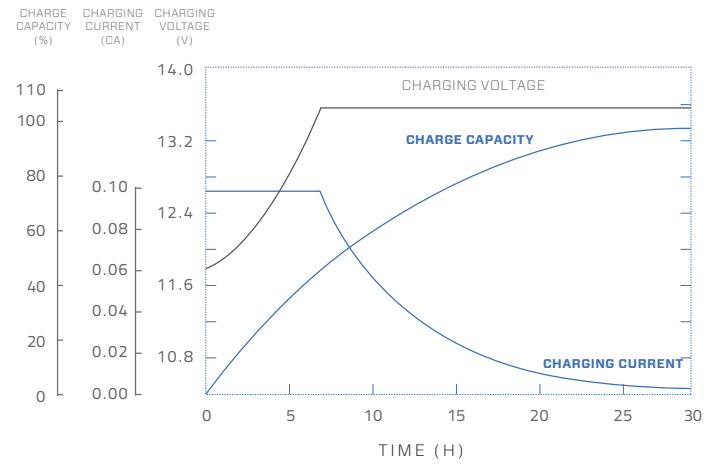
**CYCLE CHARGE CHARACTERISTIC 77°F (25°C)**

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



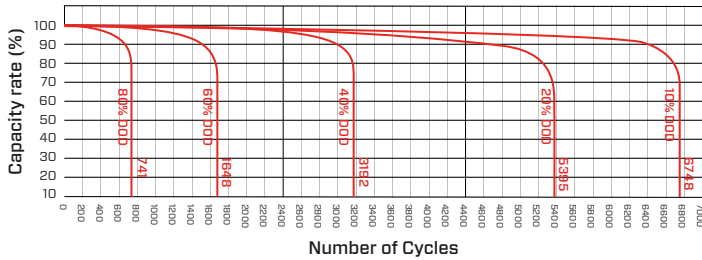
**FLOATING CHARGE CHARACTERISTIC (25°C)**

FLOATING CHARGE CHARACTERISTICS 77°F (25°C)

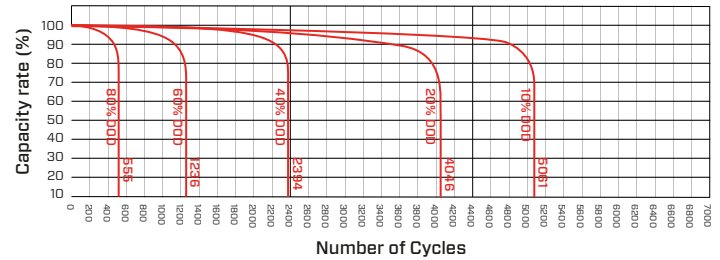


**CYCLE LIFE CURVE GRAPH**

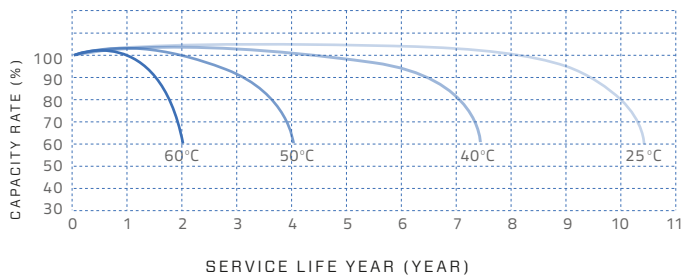
Cycle life curve graph (25°C)



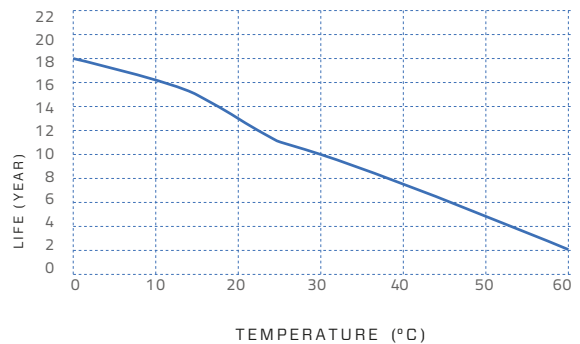
Cycle life curve graph (40°C)



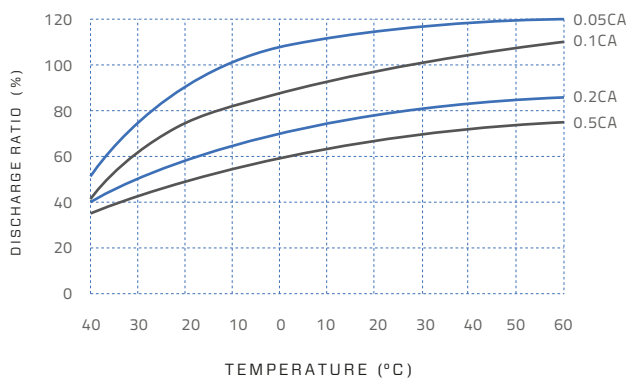
**TEMPERATURE AND FLOAT SERVICE LIFE**



**FLOAT SERVICE LIFE CURVE GRAPH**



**TEMPERATURE & DISCHARGE CAPACITY**



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