



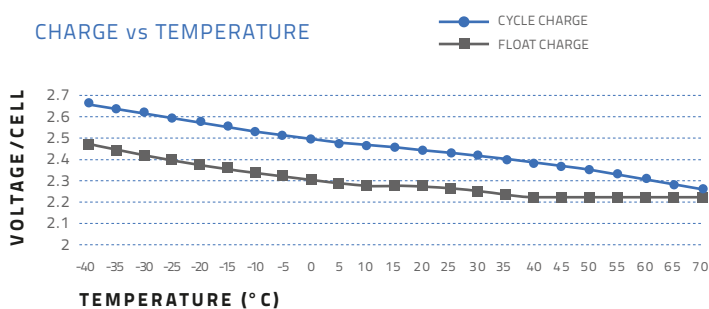
**DISCHARGE CURRENT AND END VOLTAGE**

Discharge current (A)	End voltage (V)
0.05C or below or Intermittent discharge	5.70
0.05C of current close to it	5.55
0.1C of current close to it	5.40
0.2C of current close to it	5.25
From 0.2C to 0.5C	5.10
From 0.5C to 1C	4.80
From 1C to 3C	4.50
Current in excess of 3C	3.90

**SPECIFICATION**

Nominal Voltage	6V		
Rated Capacity (10 hour rate)	4 AH		
Dimension	Total Height (top of terminal)	105 mm	4.13"
	Height	100 mm	3.94"
	Length	70 mm	2.76"
	Width	47.5 mm	1.87"
Weight	Approximately 0.70 kg / 1.54 lbs		
Capacity	120 hour rate (40mA)	4.8 AH	
	25° C 20 hour rate (230mA)	4.6 AH	
	10 hour rate (400mA)	4 AH	
Internal Resistance	Fully charged Battery (25° C)	16mΩ	
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	40A (5S)		
Terminal	Standard	F1	
	Optional	F2	
Charging (Constant Voltage)	Cycle	Initial Charging Current 1.2A 7.4V / (25° C)	
	Float	6.8V / (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	2.66	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	14.678	7.768	4.694	3.422	2.756	1.579	1.147	0.899	0.767	0.652	0.497	0.414	0.347	0.226	0.185
1.67V	13.642	7.514	4.624	3.398	2.751	1.572	1.126	0.895	0.756	0.647	0.496	0.409	0.347	0.225	0.184
1.70V	13.502	7.398	4.578	3.353	2.728	1.558	1.119	0.890	0.744	0.640	0.495	0.409	0.346	0.225	0.184
1.75V	12.370	7.166	4.532	3.330	2.682	1.528	1.114	0.879	0.738	0.636	0.492	0.405	0.344	0.224	0.184
1.80V	11.098	6.704	4.346	3.237	2.613	1.505	1.110	0.876	0.728	0.629	0.490	0.400	0.342	0.216	0.183
1.83V	10.608	6.150	4.278	3.122	2.497	1.491	1.066	0.839	0.712	0.606	0.480	0.384	0.328	0.214	0.181
1.85V	9.941	5.965	4.000	3.006	2.428	1.431	1.038	0.828	0.694	0.586	0.474	0.379	0.324	0.212	0.179

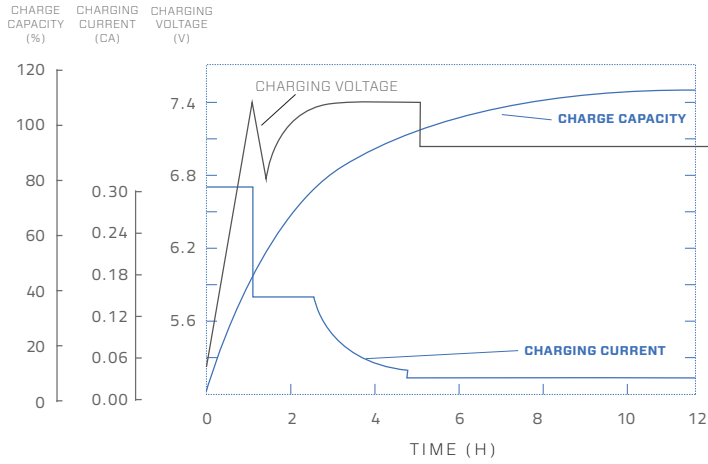
**DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL (25° C)**

End Voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	24.528	13.640	8.785	6.404	5.151	2.982	2.180	1.727	1.459	1.253	0.966	0.800	0.673	0.449	0.368
1.67V	23.349	13.432	8.430	6.358	5.155	2.982	2.152	1.725	1.459	1.251	0.966	0.798	0.673	0.448	0.368
1.70V	23.210	13.339	8.426	6.358	5.109	2.959	2.148	1.718	1.436	1.241	0.959	0.791	0.666	0.446	0.368
1.75V	21.615	13.177	8.435	6.357	5.086	2.936	2.143	1.715	1.431	1.232	0.955	0.785	0.666	0.446	0.365
1.80V	19.836	12.507	8.253	6.242	5.063	2.936	2.141	1.711	1.422	1.232	0.952	0.781	0.666	0.435	0.365
1.83V	19.142	11.490	8.184	6.057	4.855	2.913	2.081	1.653	1.406	1.193	0.952	0.758	0.654	0.430	0.363
1.85V	17.732	11.235	7.606	5.826	4.716	2.844	2.023	1.632	1.366	1.170	0.916	0.751	0.643	0.425	0.361



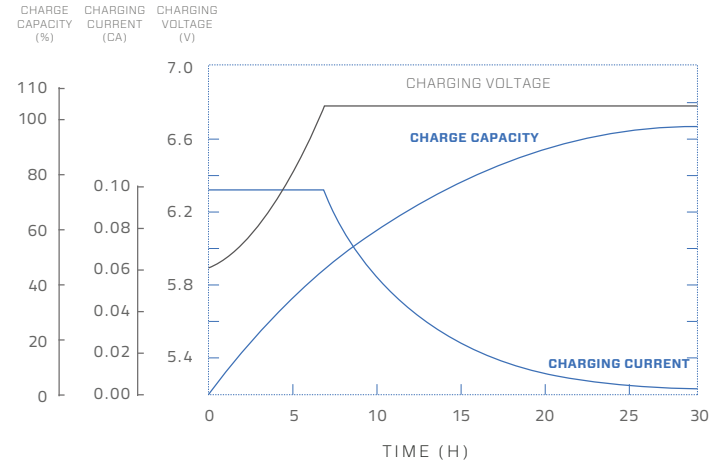
**CYCLE CHARGE CHARACTERISTIC (25°C)**

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



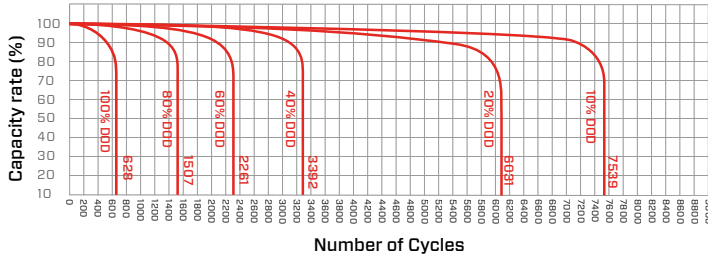
**FLOATING CHARGE CHARACTERISTIC (25°C)**

FLOATING CHARGE CHARACTERISTICS 77°F (25°C)

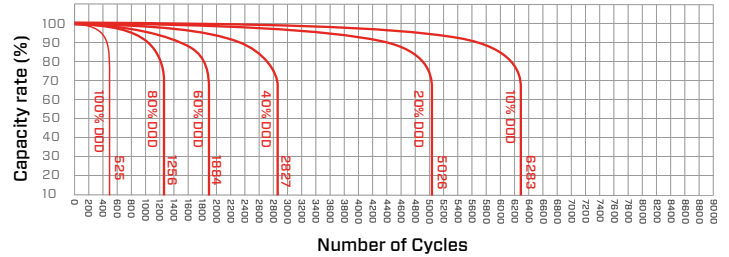


**CYCLE LIFE CURVE GRAPH**

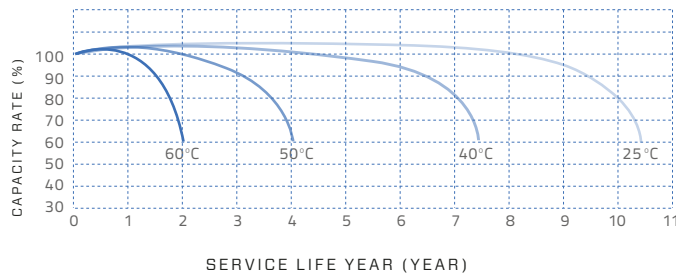
Cycle life curve graph (25°C) 6V



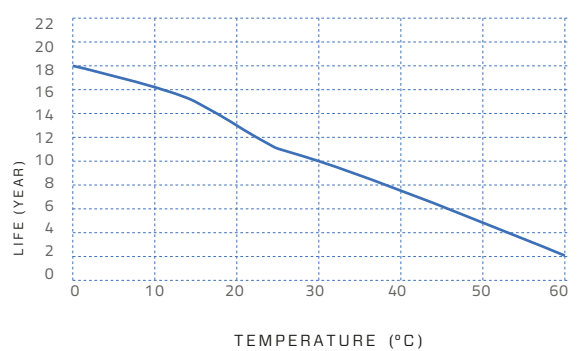
Cycle life curve graph (40°C) 6V



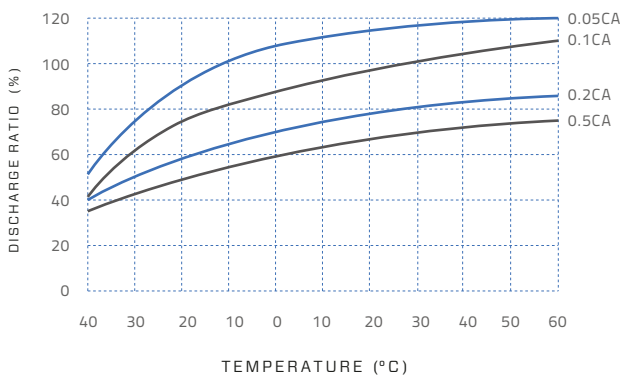
**TEMPERATURE & FLOAT SERVICE LIFE**



**FLOAT SERVICE LIFE CURVE GRAPH**



**TEMPERATURE & DISCHARGE CAPACITY**



info@greenrhino-energy.com  
www.greenrhino-energy.com

www.leadcrystalbatteries.com

