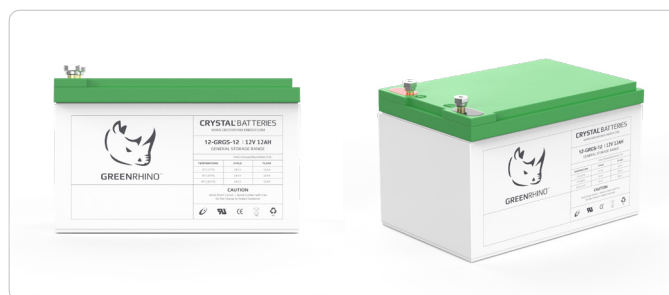


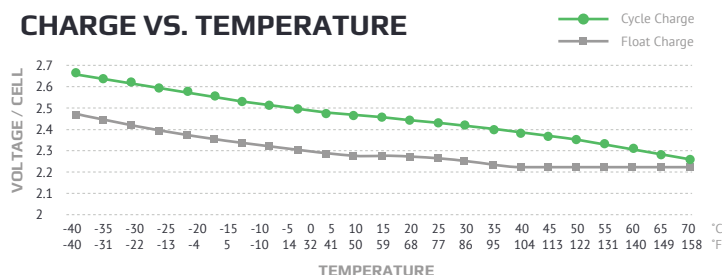
SPECIFICATION		
Nominal Voltage		12V
Rated Capacity (10 hour rate)		12 AH
Dimension	Total Height (top of terminal)	102mm (4")
	Height	96mm (3.8")
	Length	151mm (5.9")
	Width	99mm (3.9")
Weight		Approximately 4.1 kg / 9 lbs
Capacity 25°C (77°F)	120 hour rate (120mA)	14.4 AH
	20 hour rate (660mA)	13.2 AH
	10 hour rate (1.2A)	12 AH
Internal Resistance Fully charged Battery 25°C (77°F)		< 12mΩ
Self-Discharge 25°C (77°F)	Capacity after 3 month storage	95%
	Capacity after 6 month storage	85%
	Capacity after 12 month storage	80%
Max Discharge Current 25°C (77°F)		120 A (5s)
Terminal	Standard	M5 (8)
	Optional	
Charging (constant voltage)	Cycle	Initial Charging Current 3.6A 14.7V / 25°C (77°F)
	Float	13.6V / 25°C (77°F)



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

CHARGE VS. TEMPERATURE



CELL CHARGE VOLTAGE VS. TEMPERATURE CHART

Temperature (°C)	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
Temperature (°F)	-40	-31	-22	-13	-4	5	14	23	32	41	50	59	68	77	86	95	104	113	122	131	140	149	158
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	2.46	2.44	2.42	2.42	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

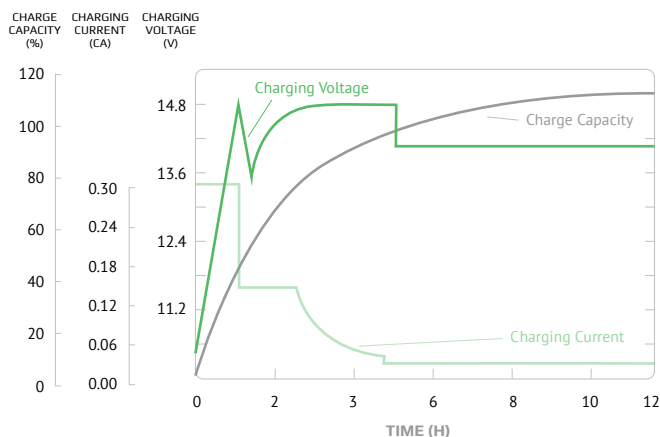
CONSTANT CURRENT DISCHARGE CHARACTERISTICS: UNITS AMPERES 25°C (77°F)

End Cell Voltage	5 min	15 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	44.04	23.30	14.08	10.27	8.27	4.74	3.44	2.70	2.30	1.96	1.49	1.24	1.04	0.68	0.55
1.67V	40.92	22.54	13.87	10.20	8.25	4.72	3.38	2.68	2.27	1.94	1.49	1.23	1.04	0.68	0.55
1.70V	40.51	22.20	13.73	10.06	8.19	4.68	3.36	2.67	2.23	1.92	1.48	1.23	1.04	0.67	0.55
1.75V	37.11	21.50	13.60	9.99	8.05	4.58	3.34	2.64	2.21	1.91	1.48	1.21	1.03	0.67	0.55
1.80V	33.29	20.11	13.04	9.71	7.84	4.52	3.33	2.63	2.18	1.89	1.47	1.20	1.03	0.65	0.55
1.83V	31.82	18.45	12.83	9.36	7.49	4.47	3.20	2.52	2.14	1.82	1.44	1.15	0.98	0.64	0.54
1.85V	29.82	17.89	12.00	9.02	7.28	4.29	3.11	2.48	2.08	1.76	1.42	1.14	0.97	0.63	0.54

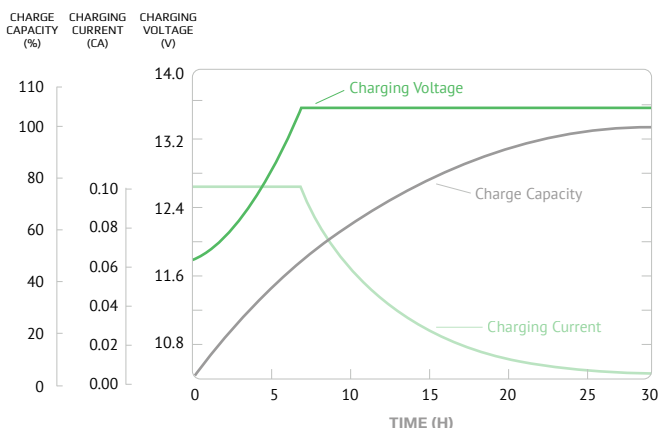
DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL 25°C (77°F)

End Cell Voltage	5 min	15 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	73.58	40.92	26.35	19.21	15.45	8.95	6.54	5.18	4.38	3.76	2.90	2.40	2.02	1.35	1.10
1.67V	70.05	40.29	25.29	19.07	15.47	8.95	6.46	5.17	4.38	3.75	2.90	2.39	2.02	1.35	1.10
1.70V	69.63	40.02	25.28	19.07	15.33	8.88	6.44	5.15	4.31	3.72	2.88	2.37	2.00	1.34	1.10
1.75V	64.85	39.53	25.31	19.07	15.26	8.81	6.43	5.15	4.29	3.70	2.86	2.36	2.00	1.34	1.10
1.80V	59.51	37.52	24.76	18.73	15.19	8.81	6.42	5.13	4.27	3.70	2.86	2.34	2.00	1.30	1.10
1.83V	57.43	34.47	24.55	18.17	14.56	8.74	6.24	4.96	4.22	3.58	2.86	2.27	1.96	1.29	1.09
1.85V	53.19	33.71	22.82	17.48	14.15	8.53	6.07	4.90	4.10	3.51	2.75	2.25	1.93	1.28	1.08

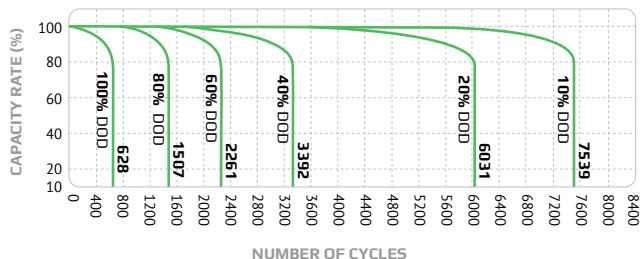
REGULAR CYCLE CHARGE CHARACTERISTICS 25°C (77°F).



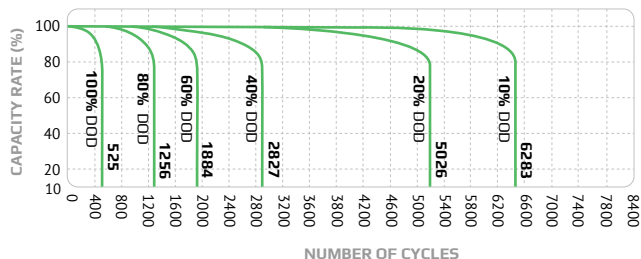
FLOATING CHARACTERISTICS 25°C (77°F).



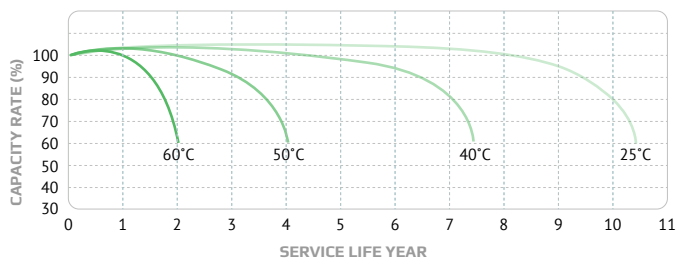
CYCLE LIFE CURVE GRAPH 25°C (77°F).



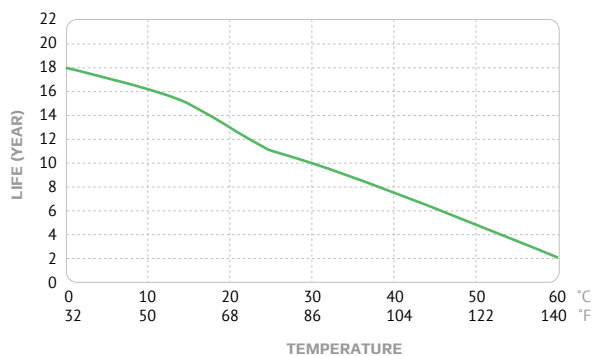
CYCLE LIFE CURVE GRAPH 40°C (104°F).



TEMPERATURE & FLOAT SERVICE LIFE.



FLOAT SERVICE LIFE CURVE GRAPH.



TEMPERATURE & DISCHARGE CAPACITY.

