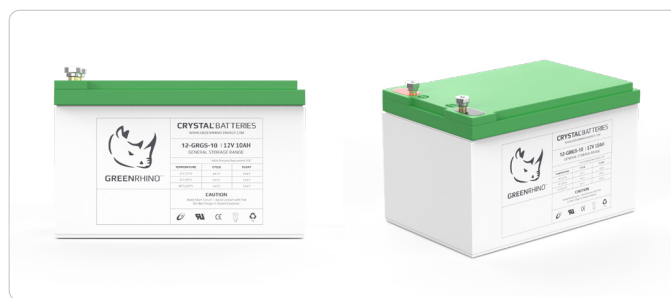
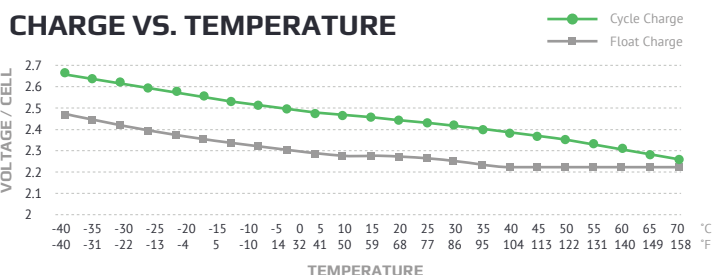


SPECIFICATION		
Nominal Voltage		12V
Rated Capacity (10 hour rate)		10 AH
Dimension	Total Height (top of terminal)	102 mm (4")
	Height	94 mm (3.7")
	Length	151 mm (5.9")
	Width	99 mm (3.9")
Weight		Approximately 3.5 kg / 7.7 lbs
Capacity 25°C (77°F)	120 hour rate (110mA)	13.2 AH
	20 hour rate (600A)	12 AH
	10 hour rate (1.0A)	10 AH
Internal Resistance Fully charged Battery 25°C (77°F)		< 12.5mΩ
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)		100 A (5s)
Terminal	Standard	F2 (250)
	Optional	
Charging (constant voltage)	Cycle	Initial Charging Current 3A 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

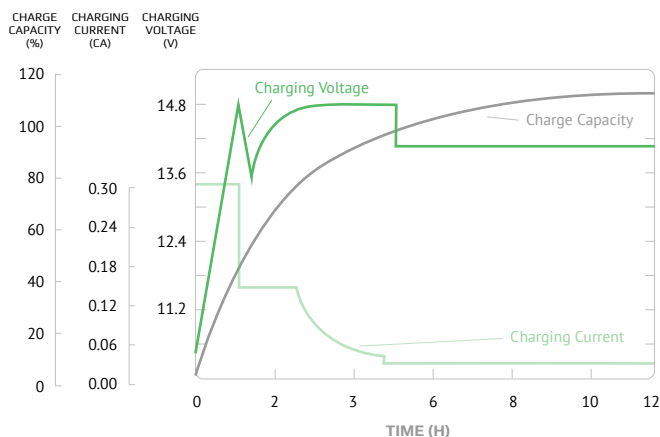


CELL CHARGE VOLTAGE VS. TEMPERATURE CHART																							
Temperature (°C)	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
Temperature (°F)	-40	-31	-22	-13	-4	5	14	23	32	41	50	59	68	77	86	95	104	113	122	131	140	149	158
Cycle Charge	2.66	2.64	2.62	2.60	2.58	2.56	2.54	2.52	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

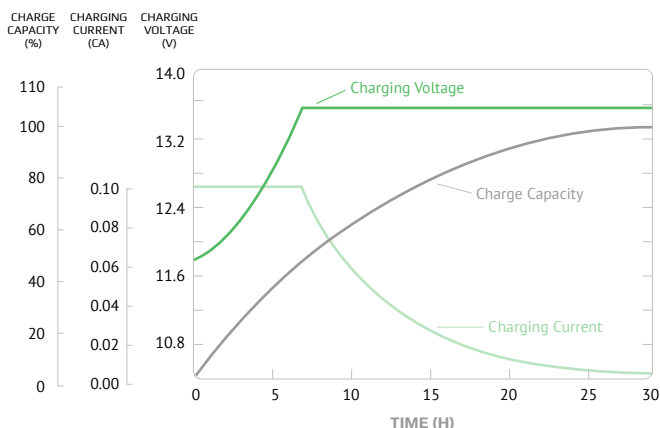
CONSTANT CURRENT DISCHARGE CHARACTERISTICS: UNITS AMPERES 25°C (77°F)															
End Cell Voltage	5 min	15 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	36.70	19.42	11.73	8.55	6.89	3.95	2.87	2.25	1.92	1.63	1.24	1.03	0.87	0.57	0.46
1.67V	34.10	18.78	11.56	8.50	6.88	3.93	2.82	2.24	1.89	1.62	1.24	1.02	0.87	0.56	0.46
1.70V	33.76	18.50	11.44	8.38	6.82	3.90	2.80	2.23	1.86	1.60	1.24	1.02	0.86	0.56	0.46
1.75V	30.92	17.92	11.33	8.32	6.71	3.82	2.79	2.20	1.84	1.59	1.23	1.01	0.86	0.56	0.46
1.80V	27.74	16.76	10.87	8.09	6.53	3.76	2.77	2.19	1.82	1.57	1.23	1.00	0.86	0.54	0.46
1.83V	26.52	15.38	10.69	7.80	6.24	3.73	2.66	2.10	1.78	1.51	1.20	0.96	0.82	0.53	0.45
1.85V	24.85	14.91	10.00	7.51	6.07	3.58	2.60	2.07	1.73	1.46	1.19	0.95	0.81	0.53	0.45

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	61.32	34.10	21.96	16.01	12.88	7.46	5.45	4.32	3.65	3.13	2.42	2.00	1.68	1.12	0.92
1.67V	58.37	33.58	21.07	15.89	12.89	7.46	5.38	4.31	3.65	3.13	2.42	1.99	1.68	1.12	0.92
1.70V	58.03	33.35	21.06	15.89	12.77	7.40	5.37	4.30	3.59	3.10	2.40	1.98	1.66	1.12	0.92
1.75V	54.04	32.94	21.09	15.89	12.72	7.34	5.36	4.29	3.58	3.08	2.39	1.96	1.66	1.12	0.91
1.80V	49.59	31.27	20.63	15.60	12.66	7.34	5.35	4.28	3.55	3.08	2.38	1.95	1.66	1.09	0.91
1.83V	47.85	28.72	20.46	15.14	12.14	7.28	5.20	4.13	3.51	2.98	2.38	1.90	1.64	1.08	0.91
1.85V	44.33	28.09	19.01	14.57	11.79	7.11	5.06	4.08	3.42	2.92	2.29	1.88	1.61	1.06	0.90

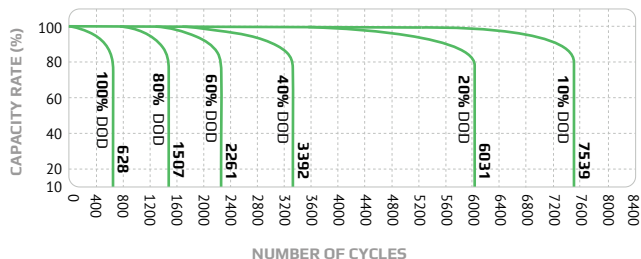
REGULAR CYCLE CHARGE CHARACTERISTICS 25°C (77°F).



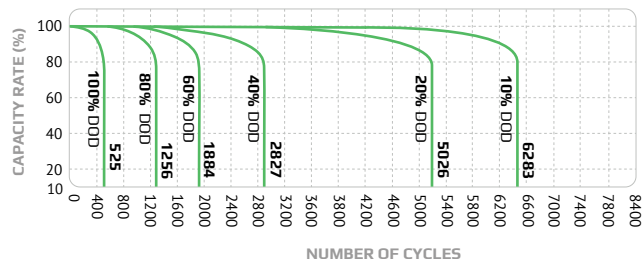
FLOATING CHARACTERISTICS 25°C (77°F).



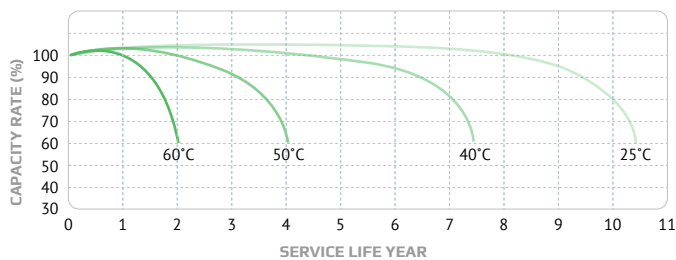
CYCLE LIFE CURVE GRAPH 25°C (77°F).



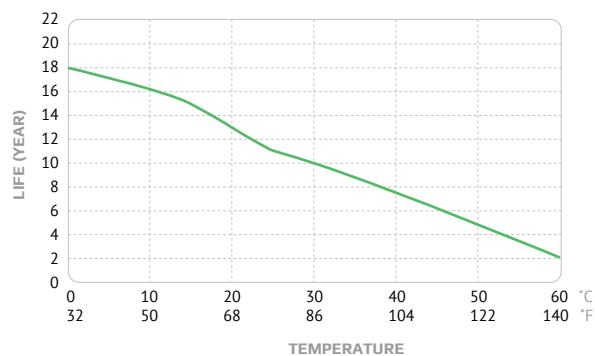
CYCLE LIFE CURVE GRAPH 40°C (104°F).



TEMPERATURE & FLOAT SERVICE LIFE.



FLOAT SERVICE LIFE CURVE GRAPH.



TEMPERATURE & DISCHARGE CAPACITY.

