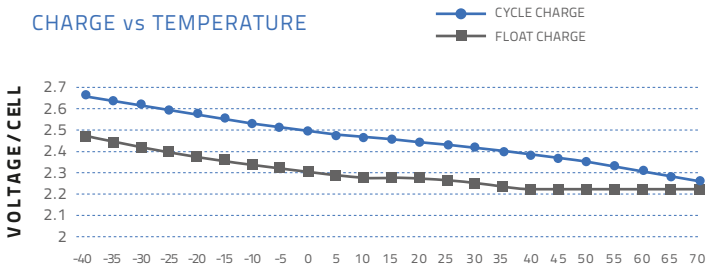




SPECIFICATION

Nominal Voltage	12V	
Rated Capacity (3 hour rate)	27 AH	
Dimension	Total Height (top of terminal)	125mm 4.92"
	Height	115 mm 4.52"
	Length	176mm 6.92"
	Width	166 mm 6.53"
Weight	Approximately 9.3 kg / 20.48 lbs	
Capacity 25°C	10 hour rate (3.15A)	31.5 AH
	5 hour rate (6.0A)	30 AH
	2 hour rate (12A)	24 AH
Internal Resistance	Fully charged Battery (25°C)	=<12.0mΩ
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	270A (5S)	
Terminal	Standard	F6
	Optional	
Charging this battery (Constant Voltage)	Cyclic Application	Initial Charging Current 5.4A 14.6V~14.7V (25°C)
	Float Application	13.6V~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	2.40	2.39	2.37	2.36	2.34	2.33	2.31	2.30	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	85.1	54.3	35.7	26.9	18.5	12.4	9.45	7.54	6.00	5.77	4.33	3.30	2.91	1.81	1.46
1.67V	73.2	49.2	33.1	25.5	18.3	12.2	9.24	7.37	5.88	5.51	4.17	3.24	2.86	1.78	1.46
1.70V	69.9	47.7	32.1	25.2	18.2	12.1	9.15	7.22	5.79	5.30	4.05	3.21	2.83	1.76	1.45
1.75V	63.6	44.6	30.8	24.2	18.0	11.9	9.03	7.08	5.70	5.09	3.93	3.18	2.80	1.73	1.45
1.80V	56.2	40.9	29.7	23.3	17.9	11.8	8.82	6.96	5.58	5.07	3.85	3.15	2.75	1.70	1.44
1.83V	49.1	37.3	27.4	21.6	17.4	11.6	8.61	6.67	5.46	4.88	3.71	3.05	2.63	1.68	1.40
1.85V	41.9	33.8	25.2	20.0	17.0	11.4	8.29	6.42	5.34	4.72	3.59	2.97	2.55	1.67	1.36

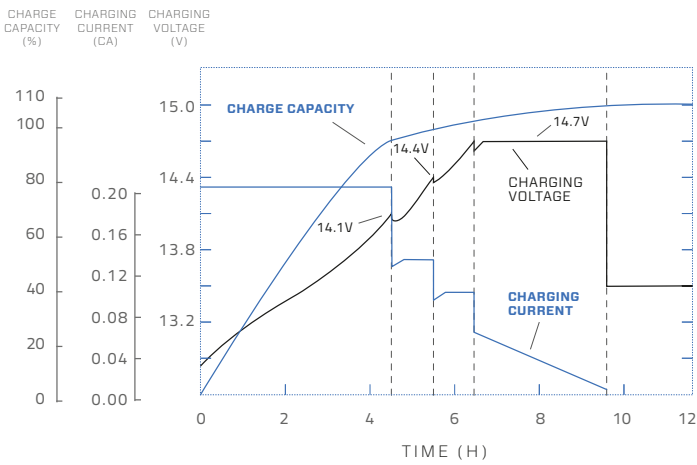
DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL (25°C)

End Voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	140	94.5	64.7	49.3	34.3	24.9	17.5	14.1	11.5	10.5	7.99	6.51	5.45	3.38	2.83
1.67V	125	88.1	60.5	47.1	34.3	24.1	17.5	14.0	11.2	10.4	7.83	6.36	5.45	3.38	2.83
1.70V	121	85.8	58.9	46.6	34.2	23.5	17.0	13.9	11.1	10.3	7.80	6.29	5.45	3.38	2.83
1.75V	112	80.7	56.9	45.2	34.0	22.7	16.8	13.7	11.0	10.2	7.64	6.23	5.45	3.38	2.83
1.80V	101	74.4	55.0	43.8	33.9	22.0	16.6	13.5	10.8	10.0	7.52	6.17	5.29	3.35	2.82
1.83V	89.7	68.8	51.3	41.0	33.8	21.1	16.5	13.0	10.7	9.78	7.27	6.01	5.17	3.35	2.75
1.85V	77.8	63.3	47.7	38.2	33.7	20.3	16.4	12.5	10.6	9.49	7.02	5.86	5.04	3.32	2.68



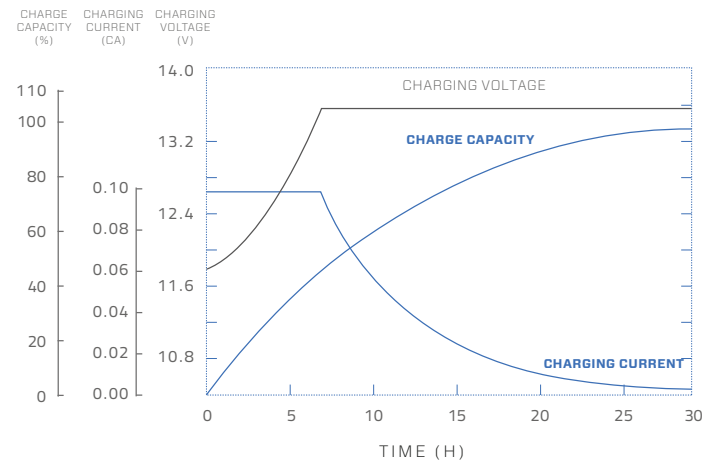
CYCLE CHARGE CHARACTERISTIC 77°F (25°C)

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



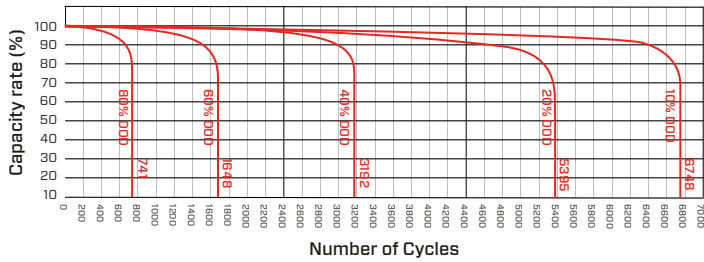
FLOATING CHARGE CHARACTERISTIC (25°C)

FLOATING CHARGE CHARACTERISTICS 77°F (25°C)

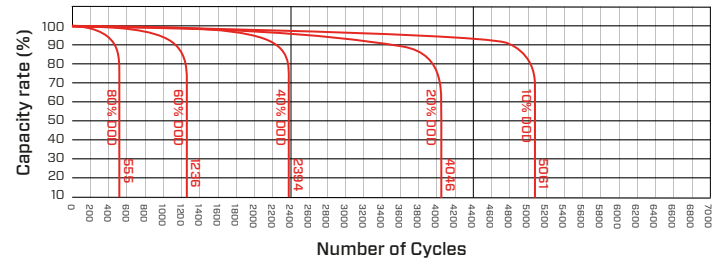


CYCLE LIFE CURVE GRAPH

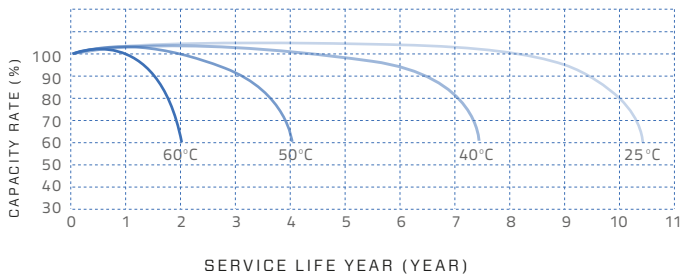
Cycle life curve graph (25°C)



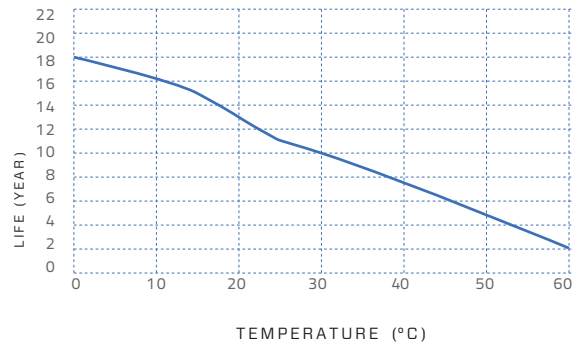
Cycle life curve graph (40°C)



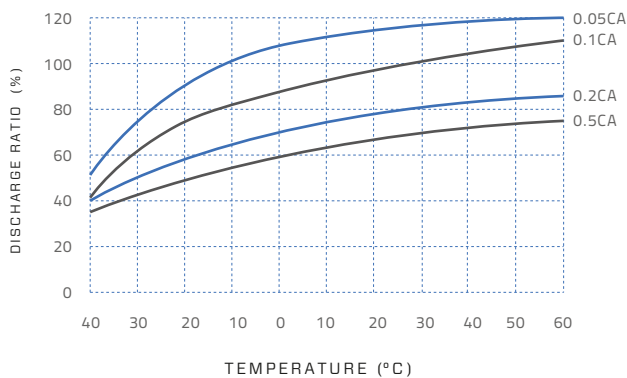
TEMPERATURE AND FLOAT SERVICE LIFE



FLOAT SERVICE LIFE CURVE GRAPH



TEMPERATURE & DISCHARGE CAPACITY



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