



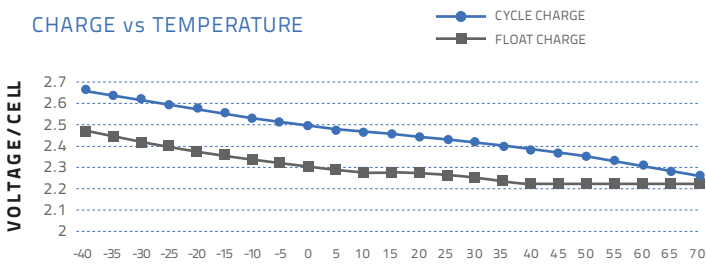
**SPECIFICATION**

Nominal Voltage		6V	
Rated Capacity (3 hour rate)		180 AH	
Dimension	Total Height (top of terminal)	275 mm	10.83"
	Height	270 mm	10.63"
	Length	260 mm	10.23"
	Width	180 mm	7.09"
Weight		Approximately 33 kg / 72.69 lbs	
Capacity 25°C	10 hour rate (24A)	230 AH	
	5 hour rate (40A)	200 AH	
	2 hour rate (80A)	160 AH	
Internal Resistance	Fully charged Battery (25°C)	=<1.5mΩ	
	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		1800A (5S)	
Terminal	Standard	M8	
	Optional		
Charging this battery (Constant Voltage)	Cyclic Application	Initial Charging Current 36A 7.35V (25°C)	
	Float Application	6.85V (25°C)	

**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

**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	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	581	370	244	183	126	84.9	64.5	51.4	43.0	39.4	31.6	24.1	21.2	13.2	10.6
1.67V	500	336	226	174	125	83.8	63.0	50.3	42.1	37.6	30.4	23.6	20.8	12.9	10.6
1.70V	477	325	219	172	124	82.7	62.3	49.3	41.4	36.1	29.6	23.4	20.7	12.8	10.6
1.75V	434	304	210	165	123	81.7	61.6	48.3	40.8	34.7	28.7	23.2	20.5	12.6	10.6
1.80V	383	279	202	159	122	80.6	60.2	47.5	39.9	34.6	28.1	23.0	20.1	12.4	10.5
1.83V	335	255	187	148	119	79.5	58.7	45.5	39.1	33.3	27.1	22.3	19.2	12.3	10.2
1.85V	286	231	172	136	116	78.4	56.6	43.8	38.2	32.2	26.2	21.6	18.6	12.1	9.95

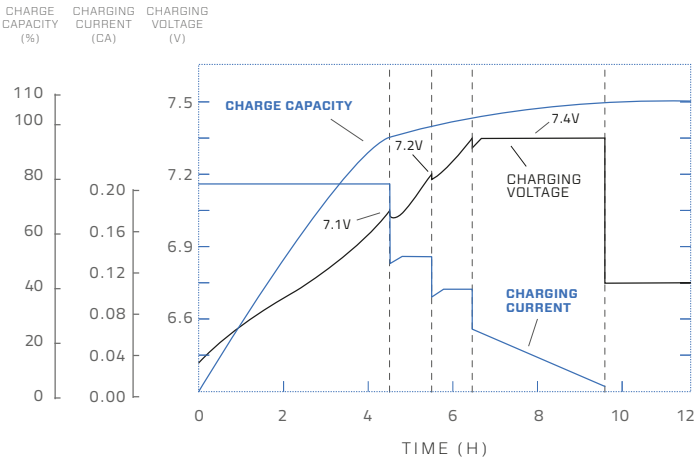
**DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL (25°C)**

End Voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	958	645	441	336	234	170	119	96.4	82.1	72.0	58.3	47.5	39.8	24.7	20.7
1.67V	856	601	413	322	234	164	119	96.0	80.4	71.2	57.1	46.4	39.8	24.7	20.7
1.70V	828	586	402	318	233	160	116	95.4	79.3	70.8	57.0	45.9	39.8	24.7	20.7
1.75V	764	551	388	308	232	155	114	93.9	78.6	69.7	55.8	45.5	39.8	24.7	20.6
1.80V	693	507	375	299	231	150	113	92.1	77.5	68.6	54.9	45.0	38.6	24.4	20.6
1.83V	612	470	350	280	230	144	113	89.2	76.9	66.7	53.0	43.9	37.7	24.4	20.1
1.85V	531	432	325	261	225	139	112	85.9	75.9	64.8	51.2	42.7	36.8	24.2	19.6



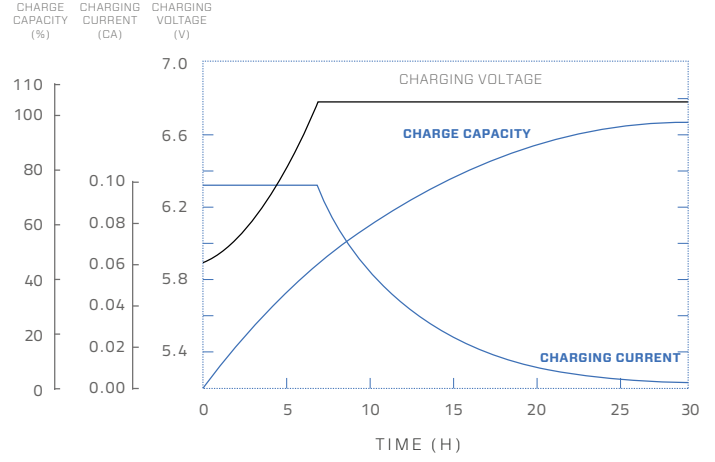
**CYCLE CHARGE CHARACTERISTIC 77°F (25°C)**

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



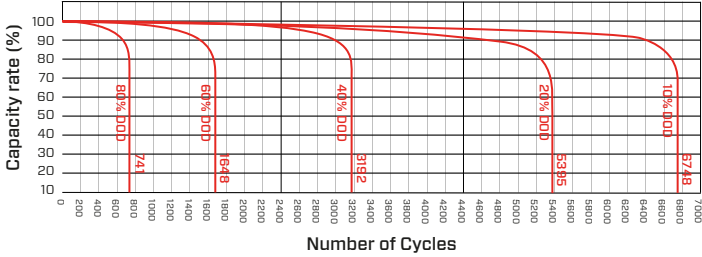
**FLOATING CHARGE CHARACTERISTIC (25°C)**

FLOATING CHARGE CHARACTERISTICS 77°F (25°C)

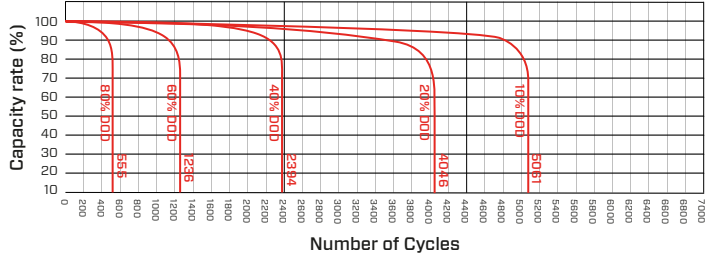


**CYCLE LIFE CURVE GRAPH**

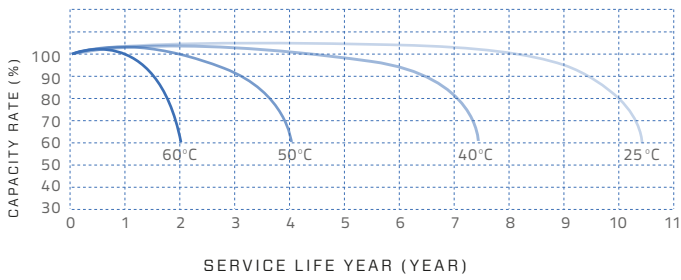
Cycle life curve graph (25°C)



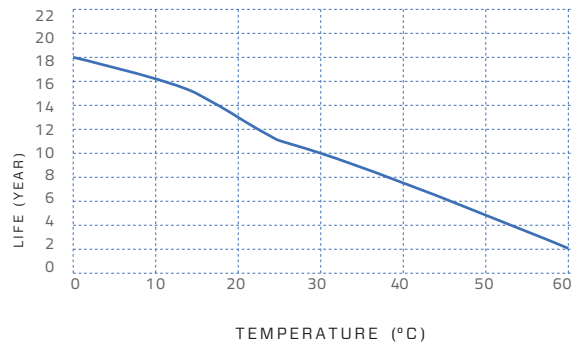
Cycle life curve graph (40°C)



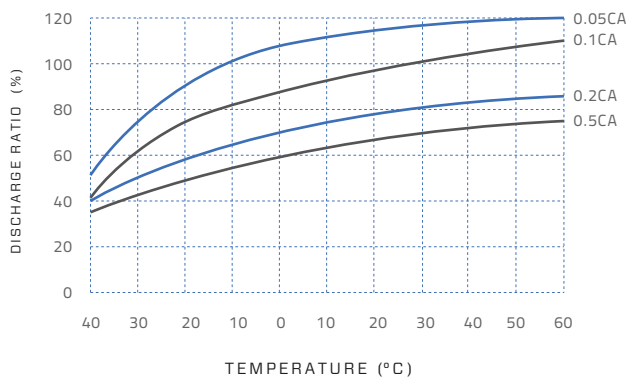
**TEMPERATURE AND FLOAT SERVICE LIFE**



**FLOAT SERVICE LIFE CURVE GRAPH**



**TEMPERATURE & DISCHARGE CAPACITY**



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