



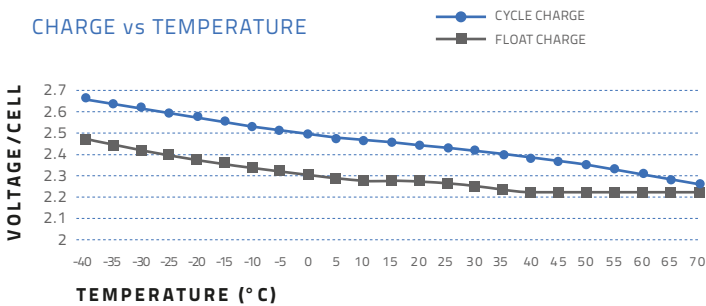
**DISCHARGE CURRENT AND END VOLTAGE**

Discharge current (A)	End voltage (V)
0.05C or below or Intermittent discharge	1.9
0.05C of current close to it	1.85
0.1C of current close to it	1.8
0.2C of current close to it	1.75
From 0.2C to 0.5C	1.7
From 0.5C to 1C	1.6
From 1C to 3C	1.5
Current in excess of 3C	1.3

**SPECIFICATION**

Nominal Voltage	2V		
Rated Capacity (10 hour rate)	400 AH		
Dimension	Total Height (top of terminal)	335 mm	13.19"
	Height	330 mm	12.99"
	Length	210 mm	8.27"
	Width	175 mm	6.89"
Weight	Approximately 28 kg / 61.72 lbs		
Capacity (25°C)	120 hour rate (4.0A)	480 AH	
	20 hour rate (22A)	440 AH	
	10 hour rate (40A)	400 AH	
Internal Resistance	Fully charged Battery (25°C)	0.40mΩ	
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)	4000A (5S)		
Terminal	Standard	F4	
	Optional		
Charging (Constant Voltage)	Cycle	Initial Charging Current 120A 2.45V/ (25°C)	
	Float	2.27V/ (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	1080.96	689.60	454.40	342.00	279.60	166.80	121.20	94.20	80.00	68.80	52.00	42.00	35.40	22.12	18.53
1.67V	930.38	625.20	421.20	324.00	270.80	159.20	115.20	93.20	76.00	68.00	51.20	41.20	35.40	22.12	18.53
1.70V	888.82	606.00	408.00	320.00	261.60	156.80	112.80	92.40	75.60	67.60	50.80	40.80	35.40	22.08	18.48
1.75V	807.98	567.20	392.00	307.60	253.20	150.80	109.60	90.00	73.20	66.00	50.00	40.40	35.08	22.08	18.44
1.80V	714.38	519.60	377.20	296.40	242.40	145.60	108.00	88.40	71.60	64.40	48.80	40.00	34.32	22.00	18.36
1.83V	623.62	474.80	348.40	275.47	229.20	139.20	104.00	84.80	68.40	62.00	47.20	38.80	33.40	21.92	17.84
1.85V	533.18	430.00	320.00	254.80	216.40	133.20	100.00	81.60	65.60	60.00	45.60	37.72	32.44	21.88	17.32

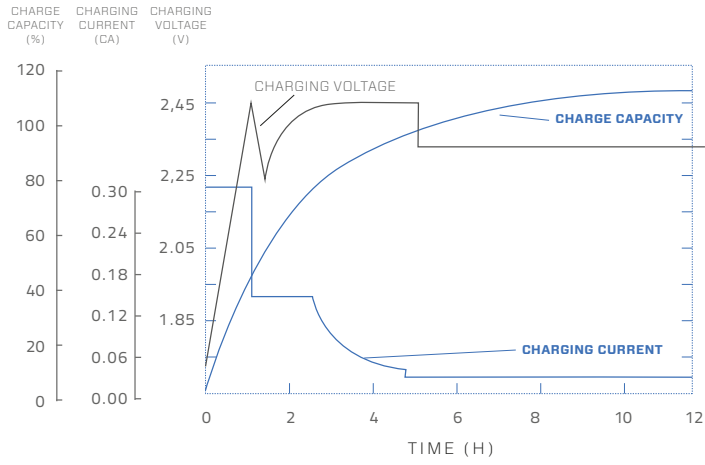
**DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL (25°C)**

End Voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	1792.38	1206.81	826.00	629.60	521.60	318.40	232.00	180.39	153.60	134.80	102.00	83.13	69.60	43.20	36.24
1.67V	1601.18	1125.20	773.20	602.40	508.00	308.48	226.40	179.60	148.80	133.20	99.98	81.20	69.60	43.20	36.24
1.70V	1549.55	1095.98	752.00	596.00	493.60	300.40	217.20	178.40	146.00	132.40	99.65	80.40	69.60	43.20	36.20
1.75V	1430.41	1030.39	727.20	577.60	480.00	290.42	212.00	175.60	142.40	130.40	97.60	79.59	69.60	43.20	36.16
1.80V	1296.80	949.60	702.39	559.20	462.00	280.80	209.60	172.41	138.80	128.40	96.00	78.80	67.60	42.80	36.08
1.83V	1145.22	879.19	655.99	524.00	438.80	270.40	202.40	166.80	134.00	124.80	92.80	76.80	66.00	42.80	35.16
1.85V	993.60	808.77	609.60	488.80	416.00	260.00	195.20	160.80	128.80	121.20	89.60	74.80	64.40	42.40	34.28



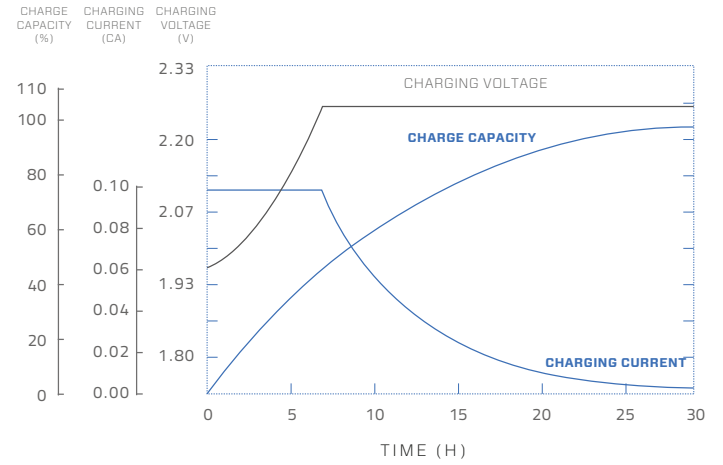
**CYCLE CHARGE CHARACTERISTIC (25°C)**

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



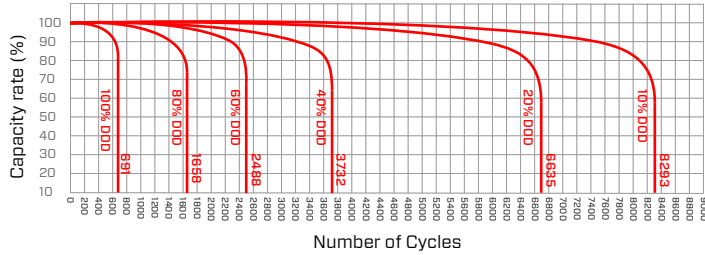
**FLOATING CHARGE CHARACTERISTIC (25°C)**

FLOATING CHARGE CHARACTERISTICS 77°F (25°C)

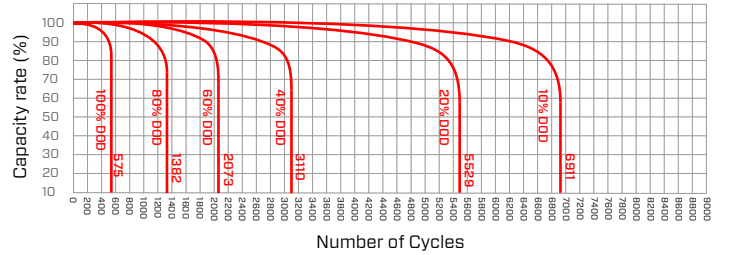


**CYCLE LIFE CURVE GRAPH**

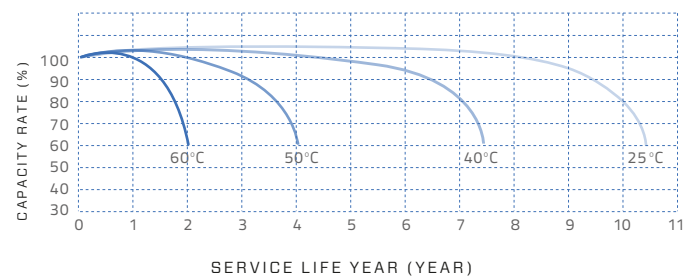
Cycle life curve graph (25°C) 2V



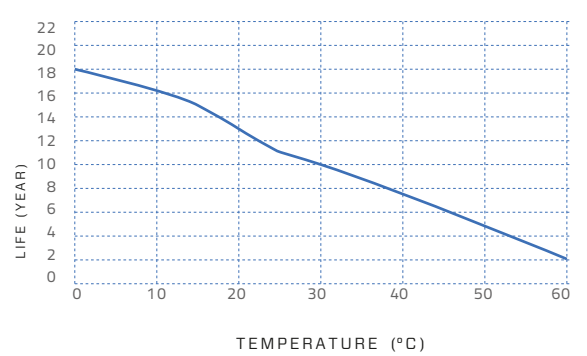
Cycle life curve graph (40°C) 2V



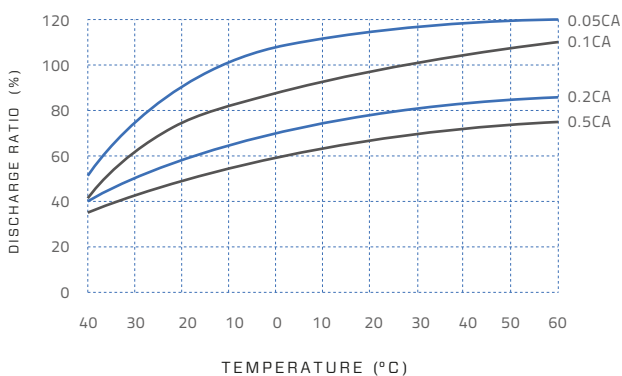
**TEMPERATURE & FLOAT SERVICE LIFE**



**FLOAT SERVICE LIFE CURVE GRAPH**



**TEMPERATURE & DISCHARGE CAPACITY**



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