



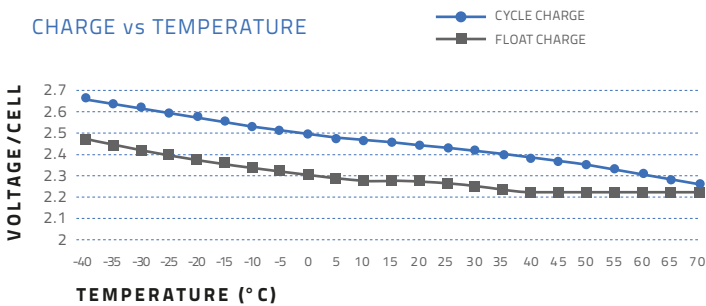
**DISCHARGE CURRENT AND END VOLTAGE**

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)	1000 AH		
Dimension	Total Height (top of terminal)	340 mm	13.37"
	Height	330 mm	12.99"
	Length	475 mm	18.70"
	Width	175 mm	6.89"
Weight	Approximately 61 kg / 134.48 lbs		
Capacity (25°C)	120 hour rate (10A)	1200 AH	
	20 hour rate (55A)	1100 AH	
	10 hour rate (100A)	1000 AH	
Internal Resistance	Fully charged Battery (25°C)	0.15mΩ	
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)	10000A (5S)		
Terminal	Standard	F4	
	Optional		
Charging (Constant Voltage)	Cycle	Initial Charging Current 300A 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	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	3669	1942	1173	855	689	394	286	224	191	163	124	103	86.8	56.5	46.1
1.67V	3410	1878	1156	849	687	393	281	223	189	161	124	102	86.7	56.3	46.0
1.70V	3375	1849	1144	838	682	389	279	222	186	160	123	102	86.4	56.1	45.9
1.75V	3092	1791	1133	832	670	382	278	219	184	158	123	101	86.0	55.9	45.8
1.80V	2774	1676	1086	809	653	376	272	214	182	157	122	100	85.5	54.0	45.7
1.83V	2652	1537	1069	780	624	372	266	209	178	151	119	95.9	82.0	53.4	45.1
1.85V	2485	1491	1000	751	606	357	259	206	173	146	118	94.8	80.9	52.8	44.7

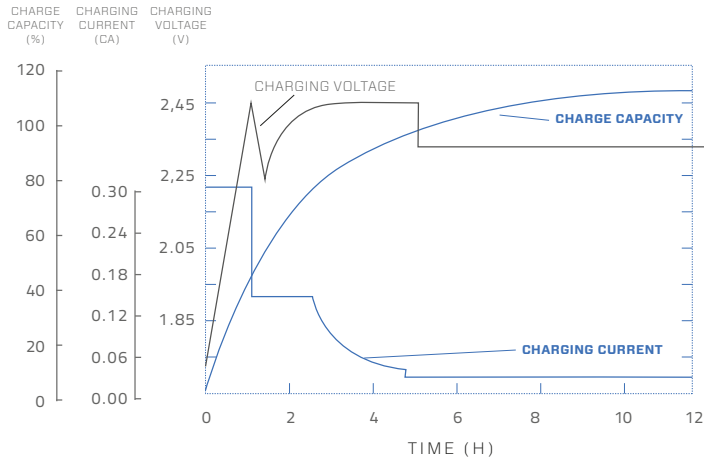
**DISCHARGE DATA WITH CONSTANT POWER UNITS: WATTS PER CELL (25°C)**

End Voltage per cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	6131	3409	2196	1600	1287	745	545	431	364	313	241	199	168	112	91.8
1.67V	5837	3357	2107	1589	1288	745	538	430	364	312	241	199	168	112	91.8
1.70V	5802	3334	2106	1580	1277	739	536	429	358	310	239	197	166	111	91.8
1.75V	5403	3294	2108	1572	1271	734	535	428	357	308	238	196	166	111	91.3
1.80V	4958	3126	2063	1560	1265	733	530	421	355	308	237	195	164	108	91.3
1.83V	4785	2872	2045	1514	1213	728	520	413	351	298	236	189	163	107	90.7
1.85V	4432	2808	1901	1456	1179	710	505	408	341	292	226	187	160	106	90.1



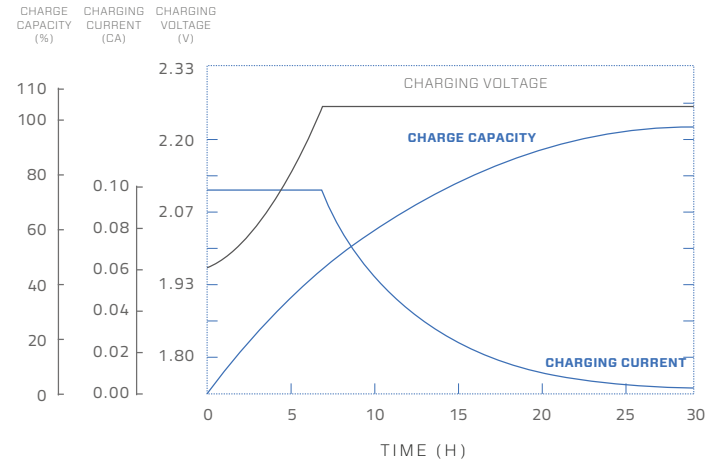
**CYCLE CHARGE CHARACTERISTIC (25°C)**

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



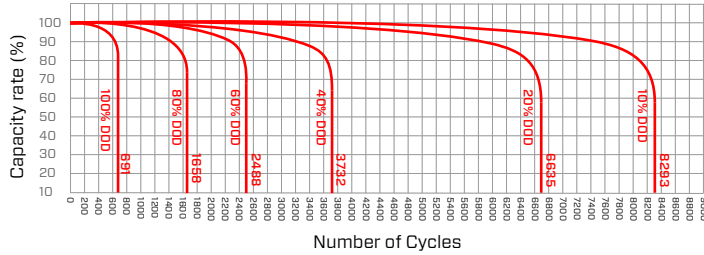
**FLOATING CHARGE CHARACTERISTIC (25°C)**

FLOATING CHARGE CHARACTERISTICS 77°F (25°C)

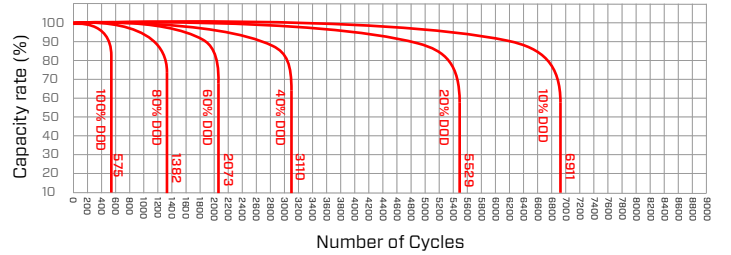


**CYCLE LIFE CURVE GRAPH**

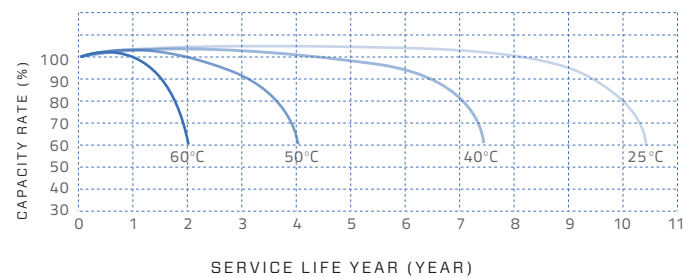
Cycle life curve graph (25°C) 2V



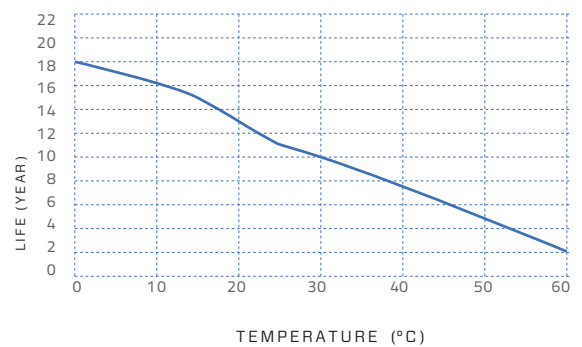
Cycle life curve graph (40°C) 2V



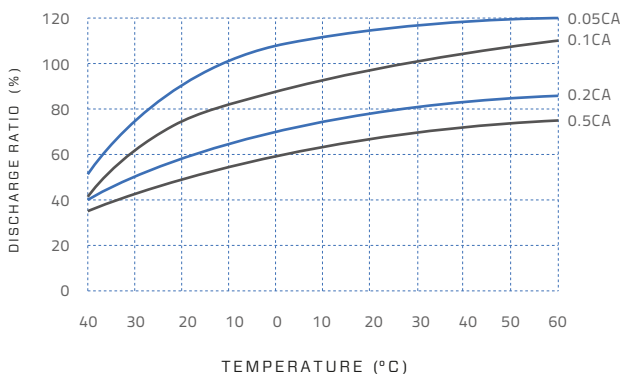
**TEMPERATURE & FLOAT SERVICE LIFE**



**FLOAT SERVICE LIFE CURVE GRAPH**



**TEMPERATURE & DISCHARGE CAPACITY**



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