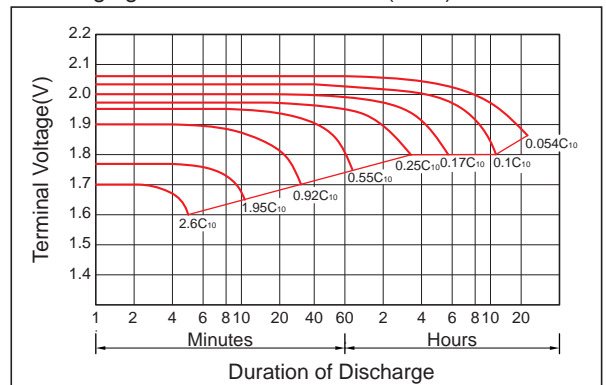


Specifications

Nominal Voltage	2V
Rated Capacity(10 hour rate)	500Ah
Total Height(With terminals)	371mm(14.6 inches)
Height	362mm(14.3 inches)
Length	205mm(8.07 inches)
Width	179mm(7.05 inches)
Weight	29.6 kg (65.3 Lbs)

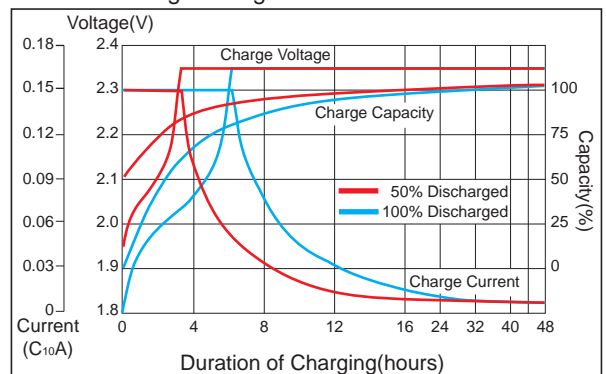
Discharging Characteristics Curves(25°C)



Characteristics

Capacity(25°C)	20Hr	109%
	10Hr	100%
	5 Hr	84%
	1 Hr	55%
Internal Resistance(Full charged @25°C)		0.3 mΩ
Capacity affected by temperature	40 °C	106%
	25 °C	100%
	0 °C	80%
	-10°C	75%
Self-Discharge per month(25 °C)		≤ 3%
Temperature compensation coefficient		-0.003V/°C
Charging (25°C)	Float	2.23V,0.15C ₁₀ A or less
	Cycle	2.35V,0.15C ₁₀ A or less

Constant Voltage Charge Characteristics



Constant Current Discharge(Ampere@25 °C)

Final Voltage V/cell	minutes							hours							
	5	10	15	20	30	40	50	1	2	3	4	5	6	8	10
1.85	930	800	525	424	355	306	270	250	161	122	98	81	70.0	58.5	49.0
1.80	1000	840	630	488	395	336	285	260	163	125	102	84	71.0	60.0	50.0
1.75	1100	890	700	542	405	347	300	275	165	127	103	87	72.0	60.5	50.5
1.70	1190	940	730	584	460	366	315	285	169	130	104	87	73.0	61.0	51.0
1.65	1250	975	755	603	475	380	335	300	173	131	104	88	73.5	61.5	51.5
1.60	1300	1000	775	625	500	395	350	310	176	132	105	88	74.0	62.0	52.0

Constant Power Discharge(Watt/cell@25 °C)

Final Voltage V/cell	minutes							hours							
	5	10	15	20	30	40	50	1	2	3	4	5	6	8	10
1.85	1620	1440	945	750	635	570	520	470	300	230	189	158	134	110	96
1.80	1800	1510	1135	865	695	600	540	495	315	238	193	164	138	117	98
1.75	1980	1600	1240	940	730	630	558	510	320	242	196	169	144	119	99
1.70	2145	1690	1315	1000	765	660	573	520	325	244	196	170	145	120	99
1.65	2250	1755	1355	1060	795	680	583	530	330	245	197	171	146	120	100
1.60	2340	1800	1395	1100	820	695	590	535	335	247	197	172	147	121	100

This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact Coslight for the last information.