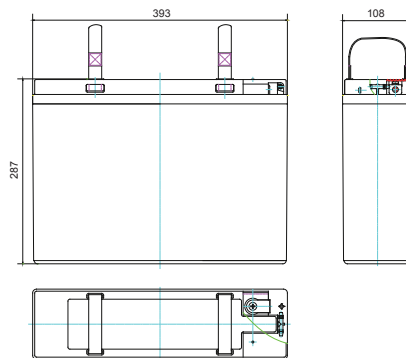




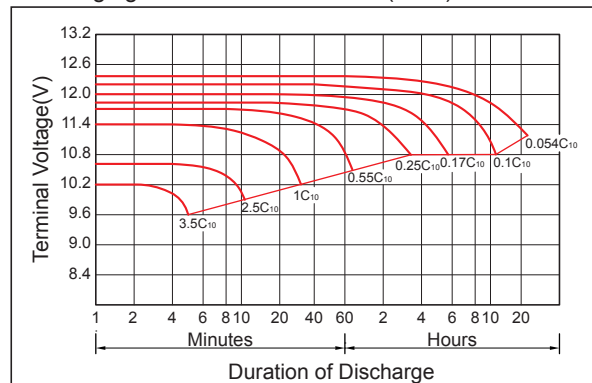
Specifications

Nominal Voltage	12V
Rated Capacity(10 hour rate)	100Ah
Total Height(With terminals)	287mm(11.3 inches)
Height	285mm(11.2 inches)
Length	393mm(15.5 inches)
Width	108mm(4.25 inches)
Weight	32.5 kg (71.6 Lbs)

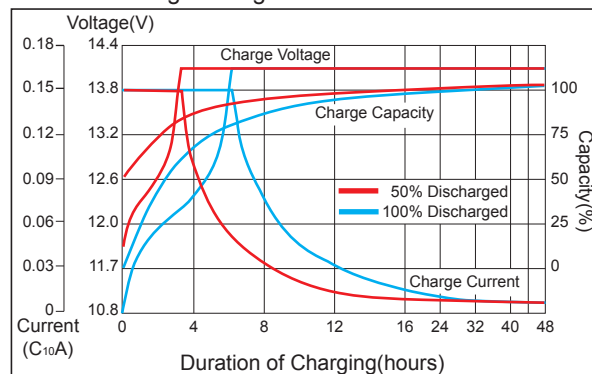
Characteristics

Capacity(25°C)	20Hr	109%
	10Hr	100%
	5 Hr	84%
	1 Hr	55%
Internal Resistance(Full charged@25°C)		4.7 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		-0.018V/°C
Charging (25°C)	Float	13.50V,15A or small
	Cycle	14.10V,15A or small

Discharging Characteristics Curves(25°C)



Constant Voltage Charge Characteristics



Constant Power 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	180	150	131	116	93	73	62	52.9	33.1	24.9	19.9	17	14.7	11.7	9.8
1.80	200	165	141	124	97	76	65	55.7	34.1	25.4	20.2	17.3	14.9	11.8	10
1.75	220	178	150	131	100	79	67	58	34.7	25.7	20.4	17.4	15	11.9	10.1
1.70	238	188	158	138	103	81.8	68.5	59.4	35.1	25.9	20.6	17.5	15.1	12	10.2
1.65	251	200	168	145	105	83.3	69.6	59.9	35.4	26.1	20.7	17.6	15.2	12.1	10.3
1.60	265	206	174	150	106	84.2	70.4	60.8	35.6	26.2	20.8	17.7	15.3	12.2	10.4

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	350	281	240.9	215	165	136	118	104	64.2	50.7	40.7	34.2	29.1	23.3	20.1
1.80	430	339	269	224	174	144	124	108	65.8	51.2	41.6	34.5	29.6	23.5	20.3
1.75	480	360	287	231	181	150	130	114	66.8	51.9	42.1	34.8	30.2	23.8	20.4
1.70	516	385	300	239	190	156	134	117	68.1	52.5	42.8	35.1	30.8	24.1	20.5
1.65	550	394	308	245	196	158	137	120	69.2	53	43.4	35.5	31.5	24.3	20.6
1.60	594	405	315	257	205	161	140	123	69.9	53.5	44	35.7	32.3	24.5	20.7

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.