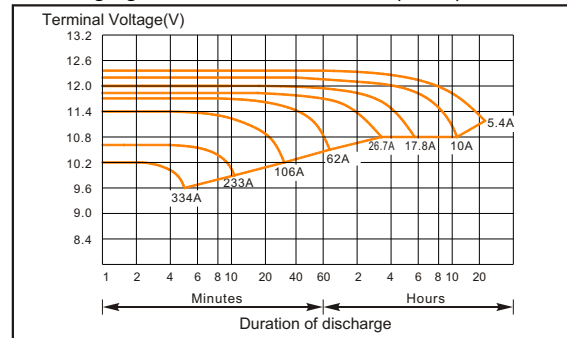


**Specifications**

Nominal Voltage		12V
Rated Capacity(10 hourrate)		100Ah (25°C)
Total Height(with terminals)		287mm (11.30 inches)
Dimension	Height	285mm (11.22 inches)
	Length	393mm (15.47inches)
	Width	108mm (4.25 inches)
Weight		Approx.35Kg (77.17lbs)

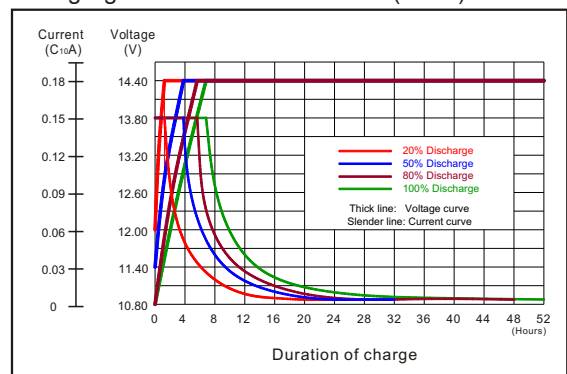
**Discharging Characteristics Curves (25°C)**



**Characteristics**

Capacity (25°C)	20Hr	108Ah
	10Hr	100Ah
	5Hr	88Ah
	1Hr	62Ah
Internal Resistance(Full charged)		4.7 mΩ (25°C)
Capacity affected by temperature	40°C	109%
	25°C	100%
	0 °C	88%
	-15°C	76%
Self-Discharge (25°C)	Capacity after 3 month storage	92%
Charging(25°C)	Cycle	14.40V,14A or small
	Float	13.62V,14A or small
Temperature compensation coefficient		-0.018V / °C

**Charging Characteristics Curves(25°C)**



**Constant current discharge (Ampere @25°C)**

Final Voltage (V/cell)	Minute							Hour							
	5	10	15	20	30	40	50	1	2	3	4	5	6	8	10
1.85	189	162	132	115	88	72.8	63.5	56.6	35.1	26.1	20.7	17.5	15.0	11.8	9.9
1.80	232	187	150	128	96	78.3	67.5	59.6	36.1	26.7	21.0	17.8	15.2	11.9	10.0
1.75	267	207	162	137	102	82.3	70.5	62.1	36.8	27.0	21.2	17.9	15.3	12.0	10.1
1.70	295	222	172	143	106	84.3	72.5	63.6	37.2	27.2	21.4	18.0	15.4	12.1	10.2
1.65	317	233	178	148	108	86.3	73.5	64.1	37.5	27.4	21.5	18.1	15.5	12.2	10.2
1.60	334	241	183	151	109	87.3	74.5	65.1	37.7	27.5	21.6	18.2	15.6	12.3	10.3

**Constant power discharge (Watt/cell @25°C)**

Final Voltage (V/cell)	Minute							Hour							
	5	10	15	20	30	40	50	1	2	3	4	5	6	8	10
1.85	412	340	236	238	191	150	133	117	68	53.2	42.3	35.2	29.7	23.5	20.1
1.80	453	356	279	244	195	153	135	119	69	53.8	43.2	35.5	30.2	23.7	20.3
1.75	513	372	282	251	198	156	138	121	70	54.5	43.8	35.8	30.8	24.0	20.4
1.70	550	380	289	256	200	158	141	122	72	55.1	44.5	36.1	31.4	24.3	20.5
1.65	572	392	294	260	202	160	144	123	73	55.7	45.1	36.5	32.1	24.5	20.6
1.60	597	398	298	265	203	162	146	124	74	56.2	45.7	36.7	32.9	24.7	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.