

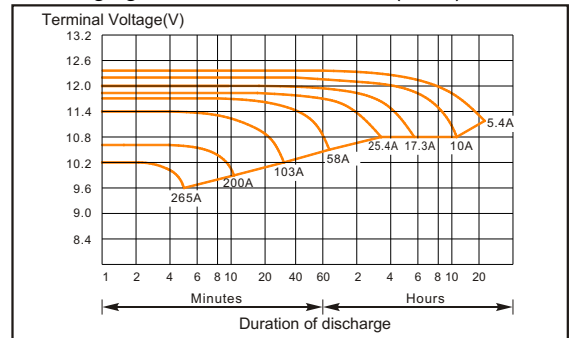
**Specifications**

Nominal Voltage		12V
Rated Capacity(10 hourrate)		100Ah
Total Height(with terminals)		227mm (8.94 inches)
Dimension	Height	216mm (8.50 inches)
	Length	174mm (6.85 inches)
	Width	407mm (16.02 inches)
Weight		Approx.37Kg (81.57lbs)

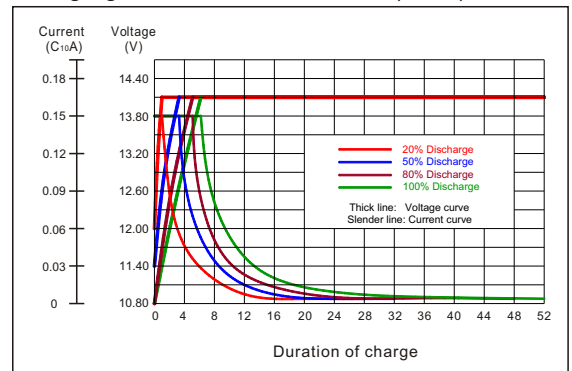
**Characteristics**

Capacity (25°C)	20Hr	109Ah
	10Hr	100Ah
	5Hr	86Ah
	1Hr	58Ah
Internal Resistance(Full charged)		5 m Ω(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
Float		13.50V, 15A or small
Temperature compensation coefficient		-0.018V / °C

**Discharging Characteristics Curves (25°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	180	150	131	116	93	73.0	62.0	52.9	33.1	24.9	19.9	17.0	14.7	11.7	9.9
1.80	200	165	141	124	97	76.0	65.0	55.7	34.1	25.4	20.2	17.3	14.9	11.8	10.0
1.75	220	178	150	131	100	79.0	67.0	58.0	34.7	25.7	20.4	17.4	15.0	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	12.0	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)	Minute							Hour							
	5	10	15	20	30	40	50	1	2	3	4	5	6	8	10
1.85	350	281	241	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	53.0	43.4	35.5	31.5	24.3	20.6
1.60	594	405	315	257	205	161	140	123	69.9	53.5	44.0	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.