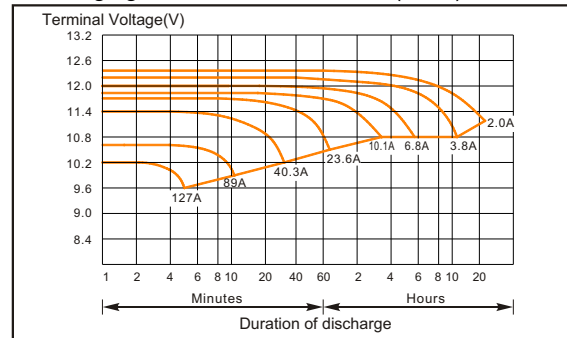


**Specifications**

Nominal Voltage		12V
Rated Capacity(10 hourrate)		38Ah (25°C)
Total Height(with terminals)		214mm (8.43 inches)
Dimension	Height	212mm (8.35 inches)
	Length	275mm (10.83inches)
	Width	104mm (4.09 inches)
Weight		Approx.16Kg (35.27lbs)

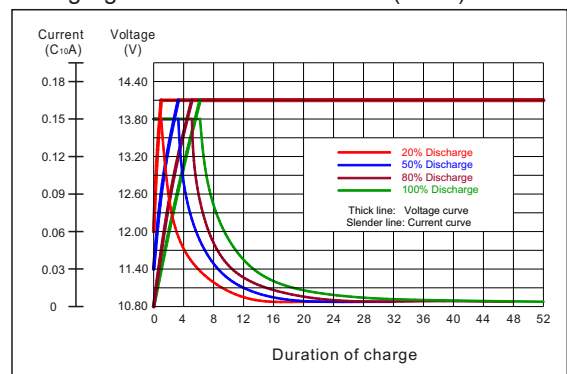
**Discharging Characteristics Curves (25°C)**



**Characteristics**

Capacity (25°C)	20Hr	41Ah
	10Hr	38Ah
	5Hr	33Ah
	1Hr	24Ah
Internal Resistance(Full charged)		9.8 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	14.10V,5.7A or small
	Float	13.50V,5.7A or small
Temperature compensation coefficient		-0.018V / °C

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



**Constant current discharge (Ampere/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	72	62	50	43.7	33.4	27.7	24.1	21.5	13.3	9.9	7.9	6.7	5.7	4.5	3.8
1.80	88	71	57	48.6	36.5	29.8	25.7	22.6	13.7	10.1	8.0	6.8	5.8	4.5	3.8
1.75	101	79	62	52.1	38.8	31.3	26.8	23.6	14.0	10.3	8.1	6.8	5.8	4.6	3.8
1.70	112	84	65	54.3	40.3	32.0	27.6	24.2	14.1	10.3	8.1	6.8	5.9	4.6	3.9
1.65	120	89	68	56.2	41.0	32.8	27.9	24.4	14.3	10.4	8.2	6.9	5.9	4.6	3.9
1.60	127	92	70	57.4	41.4	33.2	28.3	24.7	14.3	10.5	8.2	6.9	5.9	4.7	3.9

**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	157	129	90	90.4	72.6	57.0	50.5	44.5	25.8	20.2	16.1	13.4	11.3	8.9	7.6
1.80	172	135	106	92.7	74.1	58.1	51.3	45.2	26.2	20.4	16.4	13.5	11.5	9.0	7.7
1.75	195	141	107	95.4	75.2	59.3	52.4	46.0	26.6	20.7	16.6	13.6	11.7	9.1	7.8
1.70	209	144	110	97.3	76.0	60.0	53.6	46.4	27.4	20.9	16.9	13.7	11.9	9.2	7.8
1.65	217	149	112	98.8	76.8	60.8	54.7	46.7	27.7	21.2	17.1	13.9	12.2	9.3	7.8
1.60	227	151	113	101	77.1	61.6	55.5	47.1	28.1	21.4	17.4	13.9	12.5	9.4	7.9

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.