

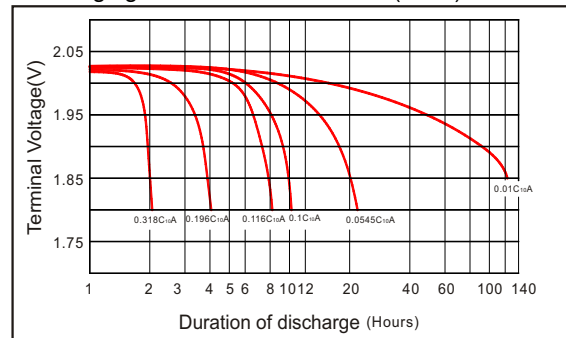
Specifications

Nominal Voltage		2V
Rated Capacity(10 hourrate)		420Ah (25°C)
Total Height(with terminals)		166mm (6.54 inches)
Dimension	Height	206mm (8.11 inches)
	Length	471mm (18.54 inches)
	Width	547mm (21.54 inches)
Weight		Approx.36.5Kg (80.47lbs)

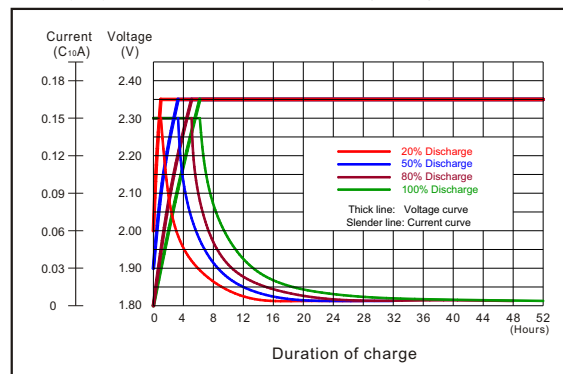
Characteristics

Capacity (25°C)	20Hr	458Ah
	10Hr	420Ah
	5Hr	353Ah
	1Hr	231Ah
Internal Resistance(Full charged)		0.25m 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	2.35V,63A or small
	Float	2.23V,63A or small
Temperature compensation coefficient		-0.003V / °C

Discharging Characteristics Curves (25°C)



Charging Characteristics Curves (25°C)



Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr	100 Hr	120 Hr
1.80V	141	105	85.8	73.8	64.2	51.6	42.0	36.1	22.9	5.04	4.27
1.83V	136	102	84.0	72.0	63.0	51.0	41.6	34.7	22.5	4.96	4.17
1.85V	132	99.3	81.6	69.9	61.2	49.8	40.7	33.8	22.1	4.88	4.12
1.87V	123	96.6	79.2	67.8	59.4	48.6	39.8	32.9	21.6	4.79	4.06
1.90V	117	90.6	75.0	63.6	57.0	46.8	38.0	32.2	21.0	4.62	3.92

Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

F.V/Time	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	20 Hr	100 Hr	120 Hr
1.80V	271	202	166	144	125	100.6	81.9	70.5	44.7	10	8.5
1.83V	257	194	162	140	121	97.1	81.1	67.7	43.9	9.8	8.3
1.85V	246	188	157	136	117	93.2	79.3	65.9	43.1	9.7	8.2
1.87V	235	182	153	132	113	89.4	77.6	64.1	42.2	9.5	8.1
1.90V	211	169	144	123	107	83.9	74.0	62.7	41.0	9.2	7.8

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.