

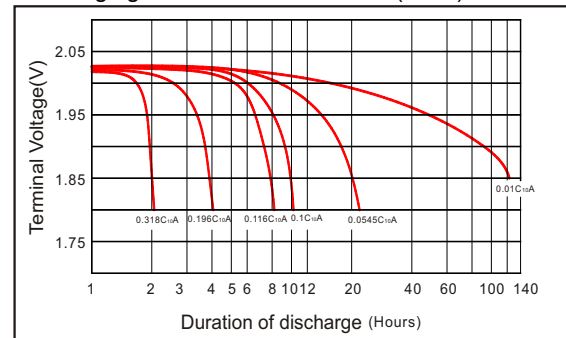
Specifications

Nominal Voltage		2V
Rated Capacity(10 hourrate)		490Ah (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.38Kg (83.77lbs)

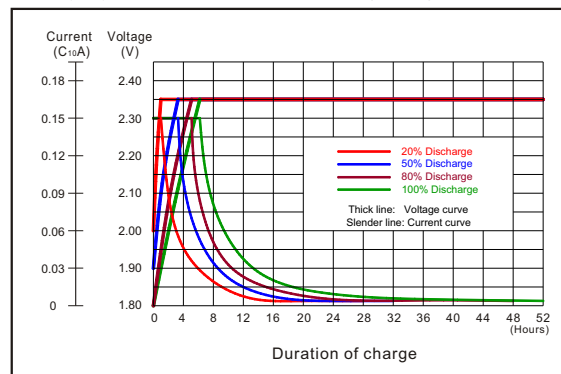
Characteristics

Capacity (25°C)	20Hr	543Ah
	10Hr	490Ah
	5Hr	412Ah
	1Hr	270Ah
Internal Resistance(Full charged)		0.24m 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,73.5A or small
	Float	2.23V,73.5A 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	163.8	122.5	100.1	86.1	74.9	60.2	49.0	42.1	26.7	5.88	4.98
1.83V	158.2	119.0	98.0	84.0	73.5	59.5	48.7	40.4	26.2	5.78	4.86
1.85V	158.6	119.9	98.5	84.4	73.9	60.2	48.2	39.4	25.7	5.69	4.80
1.87V	159.0	120.8	99.0	84.8	74.3	60.8	47.6	38.4	25.2	5.59	4.74
1.90V	136.5	105.7	87.5	74.2	66.5	54.6	45.5	37.6	24.5	5.39	4.57

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	317	235	193	168	146	117	95.6	82.2	52.2	11.7	9.9
1.83V	300	227	189	164	142	113	94.9	78.8	51.2	11.5	9.7
1.85V	296	227	190	164	141	113	93.8	76.8	50.2	11.3	9.5
1.87V	293	227	191	165	141	112	92.8	74.9	49.2	11.1	9.4
1.90V	246	197	168	144	125	98	88.6	73.3	47.8	10.7	9.1

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.