

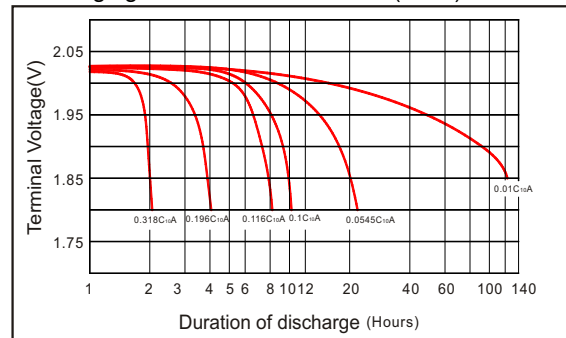
Specifications

Nominal Voltage		2V
Rated Capacity(10 hourrate)		300Ah (25°C)
Total Height(with terminals)		145mm (5.71 inches)
Dimension	Height	206mm (8.11 inches)
	Length	355mm (13.98 inches)
	Width	431mm (16.97 inches)
Weight		Approx.25Kg (55.11lbs)

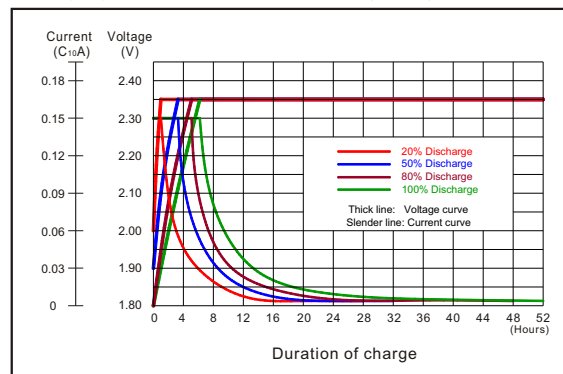
Characteristics

Capacity (25°C)	20Hr	327Ah
	10Hr	300Ah
	5Hr	252Ah
	1Hr	165Ah
Internal Resistance(Full charged)		0.29m 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		2.23V,45A 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	100	75	61.3	52.7	45.9	36.9	30	25.8	16.4	3.6	3.1
1.83V	97	73	60	51.4	45	36.4	29.7	24.8	16.1	3.5	3
1.85V	94	71	58.3	49.9	43.7	35.6	29.1	24.1	15.8	3.5	2.9
1.87V	91	69	56.6	48.4	42.4	34.7	28.4	23.5	15.4	3.4	2.9
1.90V	84	65	53.6	45.4	40.7	33.4	27.1	23	15	3.3	2.8

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	194	144	119	103	89	72.1	58.5	50.4	31.9	7.1	6.1
1.83V	184	139	116	100	86	69.4	57.9	48.4	31.4	7	5.9
1.85V	176	134	112	97	84	66.6	56.6	47.1	30.8	6.9	5.9
1.87V	168	130	109	94	81	63.9	55.4	45.8	30.1	6.8	5.8
1.90V	151	121	103	88	76	59.9	52.9	44.8	29.3	6.6	5.6

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.