

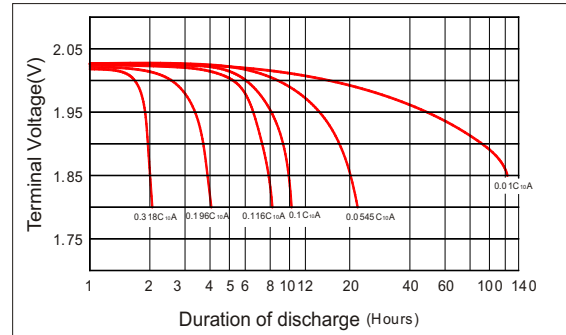
Specifications

Nominal Voltage		2V
Rated Capacity(10 hour rate)		300Ah (25°C)
Total Height(with terminals)		399mm (15.71inches)
Dimension	Height	355mm (13.97inches)
	Length	145mm (5.71 inches)
	Width	206mm (8.11 inches)
Weight		Approx.29Kg (63.93lbs)

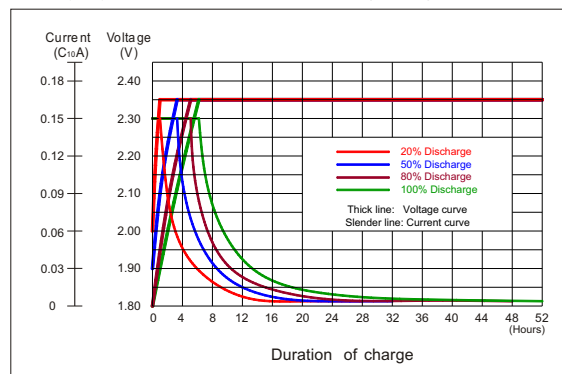
Characteristics

Capacity (25°C)	20Hr	327Ah
	10Hr	300Ah
	5Hr	252Ah
	1Hr	165Ah
Internal Resistance(Full charged)		0.55 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	2.35V,45A or small
	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	95.4	72.0	58.8	49.8	43.2	34.8	30.0	25.8	16.3	3.60	3.05
1.83V	93.0	70.2	57.0	48.6	42.6	34.2	28.8	24.7	16.1	3.54	2.97
1.85V	90.3	68.4	55.8	41.7	41.7	33.3	28.2	24.2	15.8	3.48	2.94
1.87V	87.6	66.6	54.6	46.8	40.8	32.4	27.6	23.6	15.5	3.42	2.90
1.90V	82.2	63.0	51.6	45.0	39.0	30.6	26.4	23.0	15.0	3.30	2.81

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	185	138.2	113.6	97.2	84.0	67.8	58.5	50.4	32.0	7.2	46.0
1.83V	176	133.7	110.0	94.7	82.1	65.1	56.1	48.3	31.4	7.1	5.9
1.85V	170	129.5	107.6	92.7	79.8	62.4	54.9	47.1	30.8	6.9	5.8
1.87V	162	125.4	105.3	90.9	77.7	59.7	53.9	45.9	30.2	6.8	5.7
1.90V	149	117.6	99.3	87.2	73.5	54.9	51.5	44.7	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.