

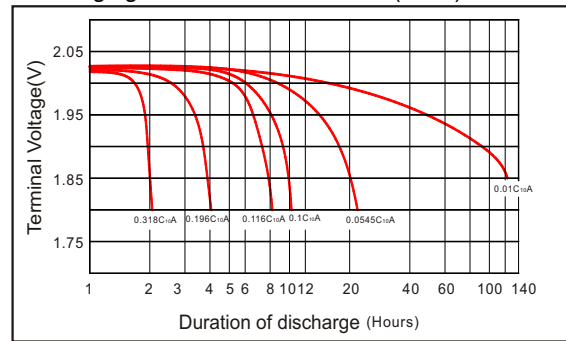
Specifications

Nominal Voltage		2V
Rated Capacity(10 hourrate)		250Ah (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.24Kg (52.91lbs)

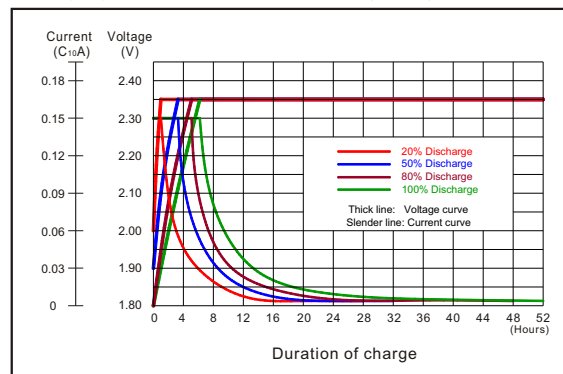
Characteristics

Capacity (25°C)	20Hr	273Ah
	10Hr	250Ah
	5Hr	210Ah
	1Hr	138Ah
Internal Resistance(Full charged)		0.30m 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,37.5Aor 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	79.5	60.0	49.0	41.5	36.0	29.0	25.0	21.5	13.6	3.00	2.54
1.83V	77.5	58.5	47.5	40.5	35.5	28.5	24.0	20.6	13.4	2.95	2.48
1.85V	75.3	57.0	46.5	39.8	34.8	27.8	23.5	20.1	13.2	2.90	2.45
1.87V	73.0	55.5	45.5	39.0	34.0	27.0	23.0	19.6	12.9	2.85	2.42
1.90V	68.5	52.5	43.0	37.5	32.5	25.5	22.0	19.2	12.5	2.75	2.33

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	154	115	94.6	81.0	70.0	56.6	48.8	42.0	26.6	5.9	5.1
1.83V	147	111	91.7	78.9	68.4	54.2	46.8	40.2	26.2	5.8	4.9
1.85V	141	108	89.7	77.3	66.5	51.9	45.8	39.2	25.7	5.7	4.9
1.87V	135	104	87.7	75.7	64.7	49.7	44.8	38.2	25.2	5.6	4.8
1.90V	124	98	82.8	72.6	61.3	45.7	42.9	37.4	24.4	5.5	4.6

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.