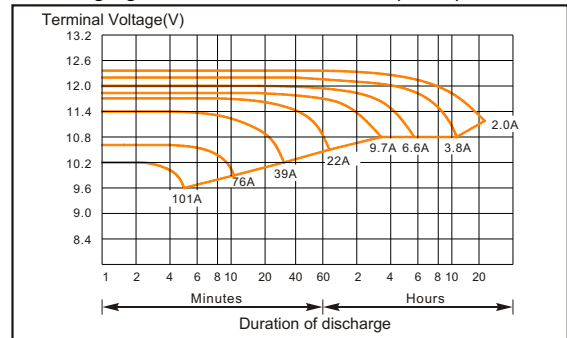


Specifications

Nominal Voltage		12V
Rated Capacity(10 hourrate)		38Ah
Total Height(with terminals)		176mm (6.93 inches)
Dimension	Height	172mm (6.77 inches)
	Length	166mm (6.54 inches)
	Width	257mm (10.12 inches)
Weight		Approx.17Kg (37.48lbs)

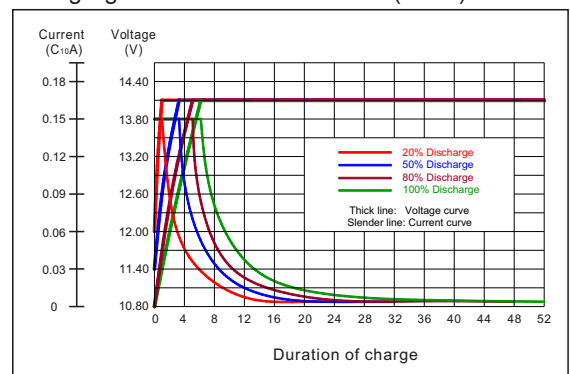
Discharging Characteristics Curves (25°C)



Characteristics

Capacity (25°C)	20Hr	41Ah
	10Hr	38Ah
	5Hr	33Ah
	1Hr	22Ah
Internal Resistance(Full charged)		9.7 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
Float		13.38V,5.7A or small
Temperature compensation coefficient		-0.018V / °C

Charging Characteristics Curves(25°C)



Constant current discharge (Ampere/cell @25°C)

Final Voltage (V/cell)	Minute							Hour							
	5	10	15	20	30	40	50	1	2	3	4	5	6	8	10
1.85	68	57	50	44.1	35.3	27.7	23.6	20.1	12.6	9.5	7.6	6.5	5.6	4.4	3.8
1.80	76	63	54	47.1	36.9	28.9	24.7	21.2	13.0	9.7	7.7	6.6	5.7	4.5	3.8
1.75	84	68	57	49.8	38.0	30.0	25.5	22.0	13.2	9.8	7.8	6.6	5.7	4.5	3.8
1.70	90	71	60	52.4	39.1	31.1	26.0	22.6	13.3	9.8	7.8	6.7	5.7	4.6	3.9
1.65	95	76	64	55.1	39.9	31.7	26.4	22.8	13.5	9.9	7.9	6.7	5.8	4.6	3.9
1.60	101	78	66	57.0	40.3	32.0	26.8	23.1	13.5	10.0	7.9	6.7	5.8	4.6	4.0

Constant power discharge (Watt/cell @25°C)

Final Voltage (V/cell)	Minute							Hour							
	5	10	15	20	30	40	50	1	2	3	4	5	6	8	10
1.85	133	107	92	81.7	62.7	51.7	44.8	39.5	24.4	19.3	15.5	13.0	11.1	8.9	7.6
1.80	163	129	102	85.1	66.1	54.7	47.1	41.0	25.0	19.5	15.8	13.1	11.2	8.9	7.7
1.75	182	137	109	87.8	68.8	57.0	49.4	43.3	25.4	19.7	16.0	13.2	11.5	9.0	7.8
1.70	196	146	114	90.8	72.2	59.3	50.9	44.5	25.9	20.0	16.3	13.3	11.7	9.2	7.8
1.65	209	150	117	93.1	74.5	60.0	52.1	45.6	26.3	20.1	16.5	13.5	12.0	9.2	7.8
1.60	226	154	120	97.7	77.9	61.2	53.2	46.7	26.6	20.3	16.7	13.6	12.3	9.3	7.9

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.