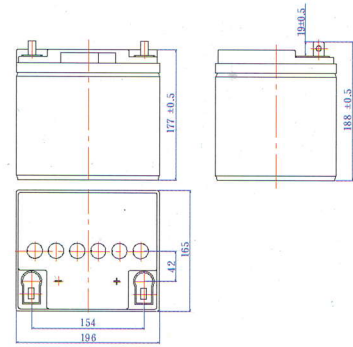




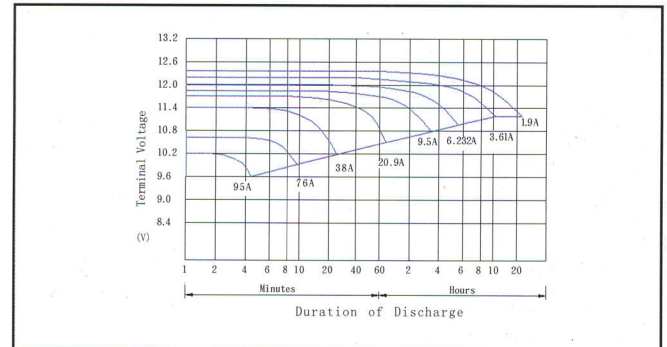
Specifications

Nominal Voltage		12V
Rated Capacity(20 hour rate)		38AH
Dimension	Total Height (with terminals)	188mm(7.40inches)
	Height	177mm(6.97inches)
	Length	196mm(7.72inches)
	Width	165mm(6.50inches)
Weight		Approx.14.0kg (30.86lbs)

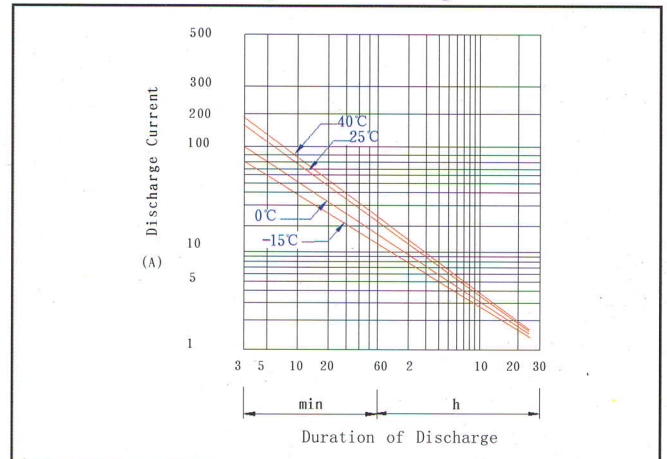
Characteristics

Capacity (25°C)	20HR	38Ah
	10HR	36.1Ah
	5HR	31.2Ah
	1HR	20.9Ah
Internal Resistance (Full charged)		9.5mΩ (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	14.10V, 7.6A or small
	Float	13.50V, 7.6A or small
Float life (25°C)		3~5 years

Discharging Characteristics Curves(25°C)



Duration of Discharge vs. Discharge Current



Constant Current Discharge (Ampere @25°C)

End Voltage/cell	Minute						Hour								
	5	10	20	30	40	50	1	2	3	4	5	6	8	10	20
1.85	60.8	51.3	38.0	30.4	25.1	21.6	19.4	11.8	8.74	7.22	6.08	5.39	4.18	3.49	1.82
1.80	68.4	57.0	41.8	34.2	26.6	22.8	20.1	12.1	9.12	7.41	6.23	5.47	4.33	3.61	1.90
1.75	76.0	62.7	45.6	38.0	28.1	23.9	20.9	12.5	9.50	7.60	6.38	5.58	4.48	3.68	1.94
1.70	86.6	70.7	50.1	39.1	31.1	26.0	22.8	13.1	9.65	7.75	6.46	5.66	4.52	3.72	1.96
1.65	91.6	74.1	56.2	39.9	31.6	26.4	23.2	13.4	9.73	7.79	6.50	5.70	4.56	3.76	1.96
1.60	95.0	76.0	57.0	40.3	40.0	26.7	23.4	13.5	9.76	7.83	6.54	5.74	4.56	3.76	1.96

Constant Wattage Discharge(Watts per cell @25°C)

End Voltage/cell	Minute								Hour					
	5	10	15	20	30	40	50	60	2	3	5	8	10	20
1.85	127	102	85.5	78.3	60.0	49.4	42.9	39.1	23.7	17.1	11.0	7.52	6.38	2.81
1.80	157	123	98.0	81.7	63.4	52.4	45.2	41.0	24.6	17.7	11.7	7.98	6.69	2.82
1.75	175	131	104	84.0	66.1	54.7	47.1	42.3	25.1	17.9	11.9	8.24	6.84	2.96
1.70	188	140	109	87.0	69.1	56.6	49.0	42.5	25.5	18.1	12.0	8.47	6.91	2.96
1.65	200	143	112	89.3	71.4	57.4	49.8	43.3	25.7	18.3	12.0	8.47	6.91	2.96
1.60	211	148	115	91.9	77.5	58.5	50.9	44.4	25.8	18.3	12.0	8.47	6.91	2.96

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 latest information.