

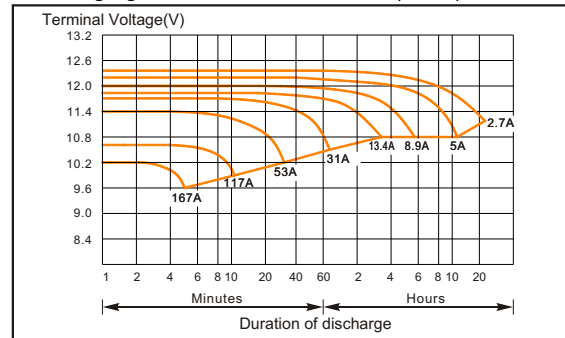
### Specifications

Nominal Voltage		12V
Rated Capacity(10 hour rate)		50Ah (25°C)
Total Height(with terminals)		277mm (10.91 inches)
Dimension	Height	275mm (10.83 inches)
	Length	275mm (10.83 inches)
	Width	104mm (4.09 inches)
Weight		Approx.20Kg (44.09lbs)

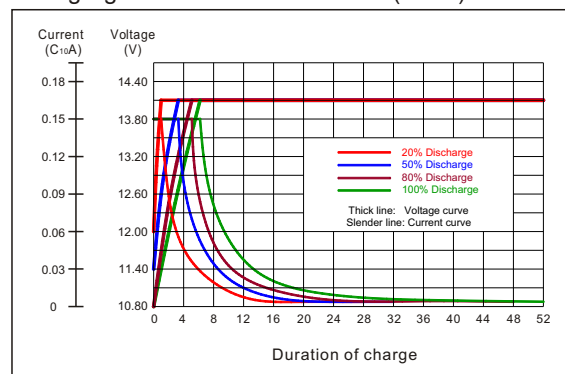
### Characteristics

Capacity (25°C)	20Hr	55Ah
	10Hr	50Ah
	5Hr	44Ah
	1Hr	31Ah
Internal Resistance(Full charged)		8.5 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	14.10V,7.5A or small
	Float	13.50V,7.5A or small
Temperature compensation coefficient		-0.018V / °C

### Discharging Characteristics Curves (25°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	95	81	66	58	44	36	32	28.3	17.6	13.1	10.4	8.8	7.5	5.9	5.0	
1.80	116	94	75	64	48	39	34	29.8	18.1	13.4	10.5	8.9	7.6	6.0	5.0	
1.75	134	104	81	69	51	41	35	31.1	18.4	13.5	10.6	9.0	7.7	6.0	5.1	
1.70	148	111	86	72	53	42	36	31.8	18.6	13.6	10.7	9.0	7.7	6.1	5.1	
1.65	159	117	89	74	54	43	37	32.1	18.8	13.7	10.8	9.1	7.8	6.1	5.1	
1.60	167	121	92	76	55	44	37	32.6	18.9	13.8	10.8	9.1	7.8	6.2	5.2	

### 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	206	170	118	119	96	75	67	58.5	34.0	26.6	21.2	17.6	14.9	11.8	10.1	
1.80	227	178	140	122	98	77	68	59.5	34.5	26.9	21.6	17.8	15.1	11.9	10.2	
1.75	257	186	141	126	99	78	69	60.5	35.0	27.3	21.9	17.9	15.4	12.0	10.2	
1.70	275	190	145	128	100	79	71	61.0	36.0	27.6	22.3	18.1	15.7	12.2	10.3	
1.65	286	196	147	130	101	80	72	61.5	36.5	27.9	22.6	18.3	16.1	12.3	10.3	
1.60	299	199	149	133	102	81	73	62.0	37.0	28.1	22.9	18.4	16.5	12.4	10.4	

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.