

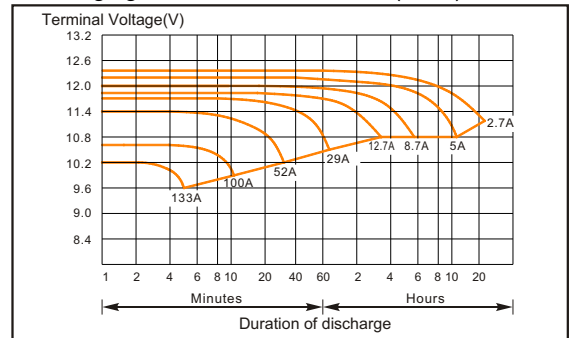
### Specifications

Nominal Voltage		12V
Rated Capacity(10 hour rate)		50Ah
Total Height(with terminals)		176mm (6.93 inches)
Dimension	Height	170mm (6.69 inches)
	Length	167mm (6.57 inches)
	Width	322mm (12.68 inches)
Weight		Approx.21.5Kg (47.40lbs)

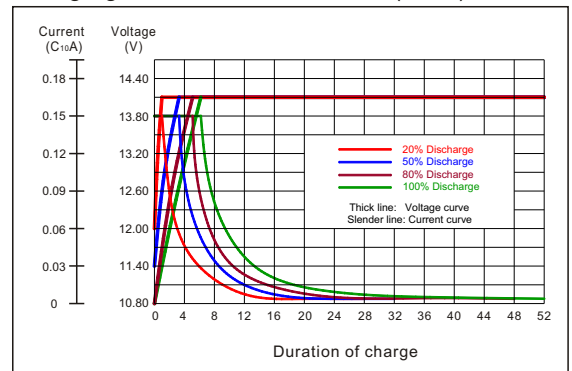
### Characteristics

Capacity (25°C)	20Hr	55Ah
	10Hr	50Ah
	5Hr	43Ah
	1Hr	29Ah
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	13.38V,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	90	75	66	58	47	37	31	26.5	16.6	12.5	10	8.5	7.4	5.9	4.9
1.80	100	83	71	62	49	38	33	27.9	17.1	12.7	10.1	8.7	7.5	5.9	5.0
1.75	110	89	75	66	50	40	34	29.0	17.4	12.9	10.2	8.7	7.5	6.0	5.1
1.70	119	94	79	69	52	41	34	29.7	17.6	13.0	10.3	8.8	7.6	6.0	5.1
1.65	126	100	84	73	53	42	35	30.0	17.7	13.1	10.4	8.8	7.6	6.1	5.2
1.60	133	103	87	75	53	42	35	30.4	17.8	13.1	10.4	8.8	7.7	6.1	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	175	141	120	108	83	68	59	52.0	32.1	25.4	20.4	17.1	14.6	11.7	10.1
1.80	215	170	135	112	87	72	62	54.0	32.9	25.6	20.8	17.3	14.8	11.8	10.2
1.75	240	180	144	116	91	75	65	57.0	33.4	26.0	21.1	17.4	15.1	11.9	10.2
1.70	258	193	150	120	95	78	67	58.5	34.1	26.3	21.4	17.6	15.4	12.1	10.3
1.65	275	197	154	123	98	79	69	60.0	34.6	26.5	21.7	17.8	15.8	12.2	10.3
1.60	297	203	158	129	103	81	70	61.5	35.0	26.8	22.0	17.9	16.2	12.3	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.