

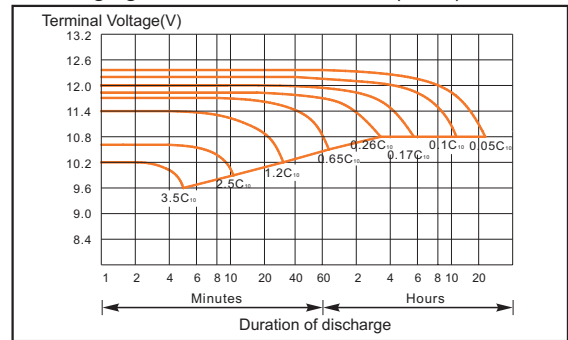
Specifications

Nominal Voltage		12V
Rated Capacity(10 hour rate)		100Ah
Total Height(with terminals)		227mm (8.94 inches)
Dimension	Height	217mm (8.54 inches)
	Length	377mm (14.84 inches)
	Width	174mm (6.85 inches)
Weight		Approx.31.5Kg (69.44bs)

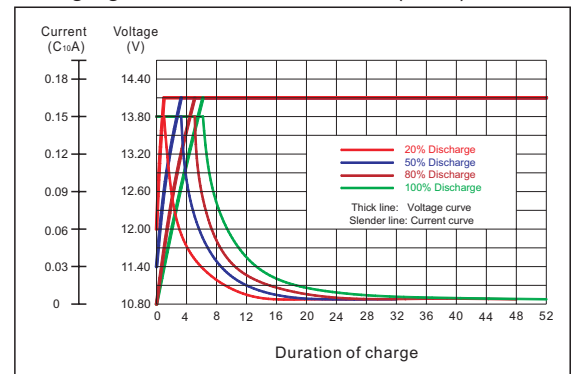
Characteristics

Capacity (25 °C)	20Hr	109Ah
	10Hr	100Ah
	5Hr	86Ah
	1Hr	58Ah
Internal Resistance(Full charged)		5 m 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	14.10V,15A or small
	Float	13.50V,15A or small
Temperature compensation coefficient		-0.018V / °C

Discharging Characteristics Curves (25 °C)



Charging Characteristics Curves(25 °C)



Constant current discharge (Ampere @25 °C)

Final Voltage (V/cell)	Minute						Hour								
	5	10	15	30	40	50	1	2	3	4	5	6	8	10	20
1.85	220	160	140	97	77	65	60	32	24	19	17	14.2	11	9.2	4.8
1.80	275	195	165	105	79	69	65	36	26	20.2	17.3	14.4	11.4	10	5.1
1.75	313	225	188	115	81	72	67	38	27	20.4	17.4	14.7	11.8	10.1	5.2
1.70	345	246	197	119	82	74	68	39	28	20.6	17.5	14.8	11.87	10.2	5.2
1.65	353	252	202	121	83	76	69	40	29	20.7	17.6	15	12	10.3	5.3
1.60	355	255	204	122	84	77	70	41	30	20.8	17.7	15.1	12	10.4	5.3

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

Final Voltage (V/cell)	Minute						Hour								
	5	10	15	30	40	50	1	2	3	4	5	6	8	10	20
1.85	350	281	241	165	136	118	104	64.2	50.7	40.7	34.2	29.1	23.3	20.1	7.4
1.80	430	339	269	174	144	124	108	65.8	51.2	41.6	34.5	29.6	23.5	20.3	7.6
1.75	480	360	287	181	150	130	114	66.8	51.9	42.1	34.8	30.2	23.8	20.4	7.7
1.70	516	385	300	190	156	134	117	68.1	52.5	42.8	35.1	30.8	24.1	20.5	7.8
1.65	550	394	308	196	158	137	120	69.2	53.0	43.4	35.5	31.5	24.3	20.6	7.8
1.60	594	405	315	205	161	140	123	69.9	53.5	44.0	35.7	32.3	24.5	20.7	7.9

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