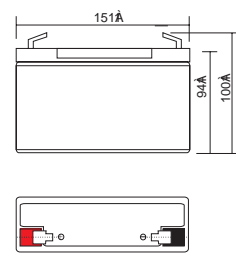


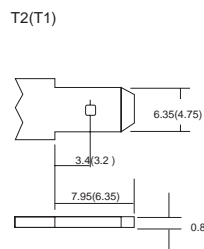
# BD6-8.0 (6V8.0Ah)



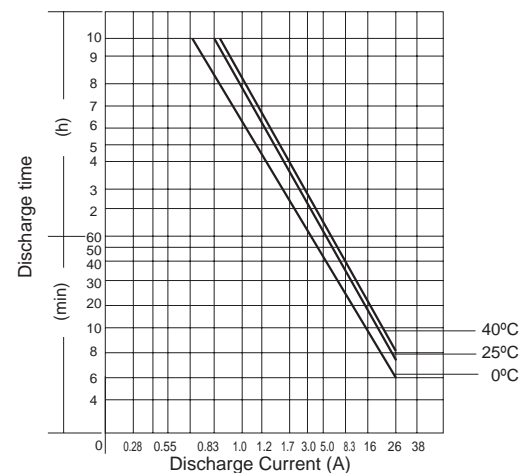
## Dimensions (mm)



## Standard Terminal(mm)



## Discharging Current & Discharge Duration Time



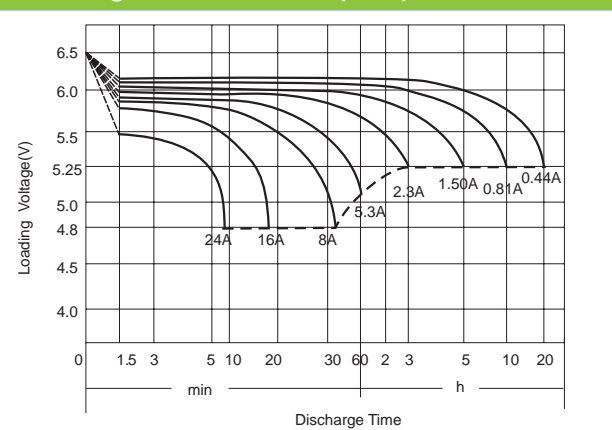
## PHYSICAL SPECIFICATION

Nominal Voltage		6V
Nominal Capacity (20h)		8.0Ah
Dimension	Length	151±1mm (5.95 inches)
	Width	51±1mm (2.01 inches)
	Container Height	94±1mm (3.70 inches)
	Total Height (with Terminal)	100±1mm (3.94 inches)
Weight		Approx 1.8kg (3.97lbs)
Standard Terminal		T2 or T1 (standard)

## ELECTRICAL SPECIFICATION

Rated Capacity	20 hour rate (0.44 A)	8.8Ah	Constant-Voltage	Cycle	Initial Charging Current less than 2.4A. Voltage 7.20V~7.50V at 25°C (77°F) Temp. Coefficient -15mV/°C
	10 hour rate (0.81 A)	8.1Ah			
	5 hour rate (1.50 A)	7.5Ah			
	1 hour rate (5.3 A)	5.3Ah			
	15minute rate (13.2 A)	3.3Ah			
Capacity affected by Temperature	40°C (104°F)	103%	Charge	Standby	No limit on Initial Charging Current Voltage 6.75V~6.90V at 25°C(77°F) Temp. Coefficient -10mV/°C
	25°C (77°F)	100%			
	0°C (32°F)	86%			
Internal Resistance	Fully charged battery (25°C, 77°F) 11mΩ				

## Discharge Characteristics (25°C)



## Constant Current (Amp) and Constant Power (Watt/Cell) Discharge Table

Discharge Time (Minute) to final voltage/cell

Final voltage	Time	0.5	1	2	3	6	10	20	30	60	120	180	300	600
1.75V	A	52.5	48.1	43.8	35.0	30.6	24.0	12.6	8.8	5.2	2.9	2.3	1.5	0.81
25°C	W	83.1	71.4	64.9	51.8	45.9	38.6	22.4	12.4	9.5	5.8	4.5	2.9	1.63
1.70V	A	70.8	63.4	57.6	45.9	36.0	26	13.0	9.5	5.3	3.1	2.4	1.5	0.88
25°C	W	113.8	97.6	88.1	71.4	55	40	24.3	16.1	10.4	6.0	4.8	3.0	1.63
1.60V	A	91.9	80.9	71.4	56.1	43	27	13.3	10.3	5.5	3.3	2.5	1.6	0.94
25°C	W	132.5	114.4	102.0	80.1	61	46	25.4	16.8	11.0	6.3	4.9	3.1	1.75
1.75V	A	45.9	41.5	38.6	30.6	24	20	12.4	8.4	4.6	2.6	2.0	1.4	0.75
5°C	W	72.9	65.6	61.3	48.1	40	34	20.4	11.3	7.9	4.9	3.9	2.5	1.38
1.70V	A	63.4	58.3	52.5	41.5	32	24	12.9	8.6	4.9	2.8	2.1	1.4	0.78
5°C	W	97.6	86.0	78.8	63.4	51	37	23.4	12.4	8.9	5.3	4.0	2.6	1.50
1.60V	A	78.8	70.0	60.5	47.4	36	26	13.0	8.9	5.0	2.9	2.3	1.5	0.80
5°C	W	121.8	106.4	94.8	76.5	60	40	24.5	13.3	9.1	5.5	4.3	2.8	1.56