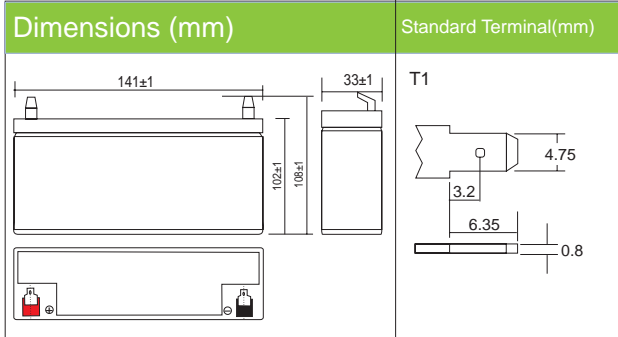


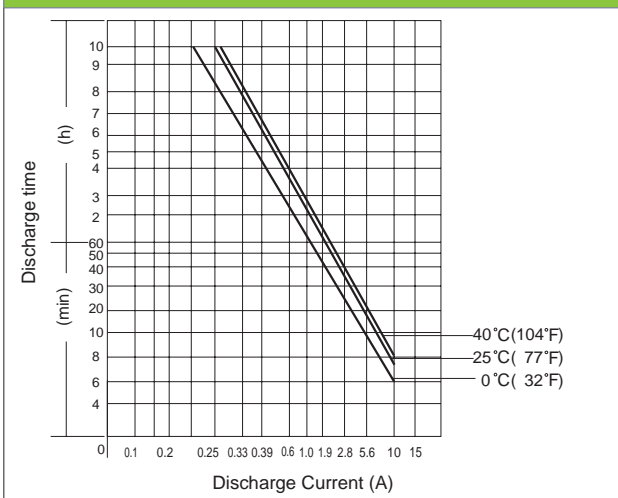
BD12-3.0 (12V3.0Ah)



PHYSICAL SPECIFICATION

Nominal Voltage		12V
Nominal Capacity (20h)		3.0Ah
Dimension	Length	141±1mm (5.55 inches)
	Width	33±1mm (1.30 inches)
	Container Height	102±1mm (4.02 inches)
	Total Height (with Terminal)	108±1mm (4.25 inches)
Weight		Approx 1.36kg (3.0lbs)
Standard Terminal		T1(standard)

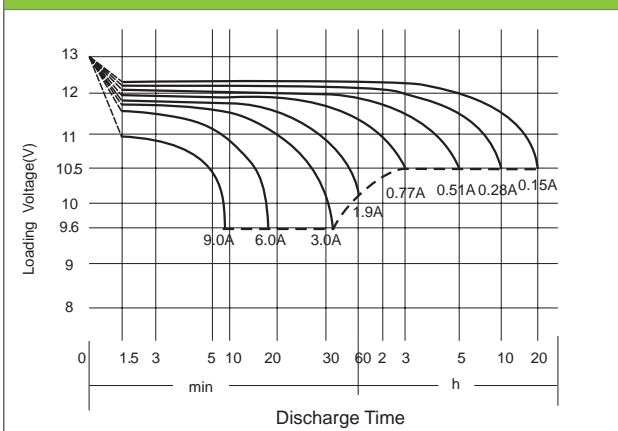
Discharging Current & Discharge Duration Time



ELECTRICAL SPECIFICATION

Rated Capacity	20 hour rate (150mA)	3.0Ah	Constant-Voltage Charge	Cycle	Initial Charging Current less than 0.9A. Voltage 14.4V~ 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	10 hour rate (283mA)	2.8Ah			
	5 hour rate (509mA)	2.55Ah			
	1 hour rate (1.9A)	1.90Ah			
	15minute rate (4.4A)	1.1Ah			
Capacity affected by Temperature	40°C (104°F)	103%	Standby	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F) Temp. Coefficient - 20mV/°C	
	25°C (77°F)	100%			
	0°C (32°F)	86%			
Internal Resistance	Fully charged battery (25°C, 77°F) 39mΩ				

Discharge Characteristics (25°C, 77°F)



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

Final voltage	Time	Discharge Time (Minute) to final voltage /cell													
		0.5	1	2	3	6	10	20	30	60	120	180	300	600	
1.75V	A	18.1	16.7	15.1	12.1	10.6	8.3	4.1	3.0	1.8	1.0	0.77	0.51	0.28	
	W	28.7	24.8	22.5	18.0	15.9	13.0	8.1	4.2	3.3	2.0	1.61	1.04	0.57	
25°C	1.70V A	24.4	21.9	20.0	15.9	11.7	8.4	4.7	3.3	1.9	1.0	0.85	0.53	0.29	
	W	39.4	33.8	30.5	24.8	17.6	13.0	9.1	5.6	3.6	2.1	1.61	1.13	0.58	
1.60V	A	31.8	28.0	24.7	19.5	13.9	8.8	5.5	3.5	2.0	1.1	0.90	0.57	0.30	
	W	45.8	39.6	35.3	27.8	19.8	14.9	9.8	5.8	3.6	2.2	1.70	1.14	0.60	
1.75V	A	15.9	14.4	13.4	10.6	7.8	6.4	4.0	2.3	1.6	0.86	0.66	0.38	0.26	
	W	25.3	22.7	21.2	16.7	13.0	10.9	5.4	3.8	2.8	1.72	1.32	0.85	0.47	
1.70V	A	21.9	20.2	18.1	14.4	10.4	7.8	4.1	2.9	1.7	0.95	0.76	0.43	0.27	
	W	33.9	29.8	27.3	21.9	16.5	12.1	8.1	4.1	3.0	1.9	1.42	0.90	0.53	
1.60V	A	27.3	24.2	21.0	16.4	11.5	8.6	4.3	3.1	1.7	1.0	0.81	0.73	0.28	
	W	42.1	36.9	32.9	26.5	19.2	12.7	8.8	4.5	3.1	1.9	1.51	0.95	0.57	