

EMERGENCY LIGHT SYSTEM



FIRE & SECURITY SYSTEM



CAR & OTHER STARTING APPLICATIONS



ELECTRO-MEDICAL DEVICES



UPS



RAILWAY SIGNAL



COMMUNICATIONS POWER SUPPLY



DC POWER SUPPLY

BCN(G)-2V800



Application

Emergency Light Systems
Fire & Security System
Cars & other Starting Applications
Medical Equipment
Uninterruptible Power Supply(UPS)
Railway signal
Communication Power Supply
DC Power Supply

Batteries come standard with a special tray

BATTERY BCN(G)-2V800AH Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		800Ah
Dimensions	Total Height (with terminals)	14.3 inches(365mm)
	Height	13.0 inches(330mm)
	Length	16.1 inches(410mm)
	Width	6.89 inches(175mm)
Weight		Approx.108.9 Pound(49.5kg)

Characteristics

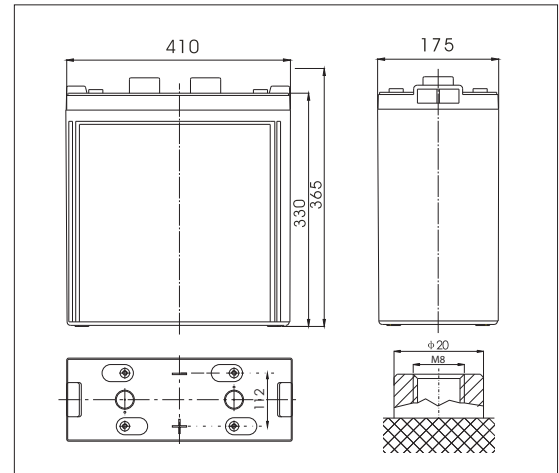
Capacity 77°F(25°C)	10 hour rate (80A)	800Ah
	5 hour rate (136A)	680Ah
	1 hour rate (440A)	440Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	0.4mΩ
Capacity Affected by Temperature (20hour rate)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 77°F(25°C)	Capacity after 3 months storage	91%
	Capacity after 6 months storage	81%
	Capacity after 12 months storage	60%
Max. Discharge Current 77°F(25°C)	5600A(5S)	
Terminal	T3	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 160A
		Voltage 2.35 V / 77 °F (25 °C)
	Float	Equalization temperature compensation coefficient: -4mV / °C
		Voltage 2.25 V / 77 °F (25 °C)
		Compensation coefficient of floating charging temperature: -3mV / °C

Constant Current Discharge (Amperes @25°C)

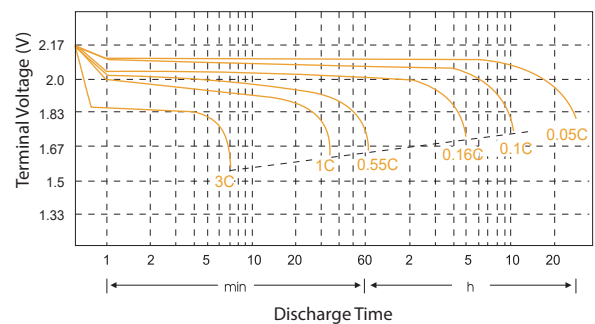
F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	1480	1200	864	466	207	151	99.8	86.4	45.7
1.65	1424	1160	832	449	206	150	98.9	85.6	45.3
1.70	1344	1104	752	446	206	149	97.0	84.0	44.5
1.75	1184	1040	666	440	204	142	96.1	83.2	44.1
1.80	1136	1000	640	425	200	136	92.5	80.0	44.0
1.85	928	872	589	391	196	131	88.9	77.0	40.7

Constant Power Discharge (Watts Per Cell@25°C)

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	2590	2160	1512	909	404	287	189	164	86.8
1.65	2492	2088	1456	876	402	285	188	163	86.1
1.70	2352	1987	1354	870	402	283	185	160	84.6
1.75	2131	1893	1232	858	398	270	182	158	83.8
1.80	2045	1850	1184	829	390	258	176	152	83.6
1.85	1717	1613	1090	762	382	249	173	150	79.4



Discharge Curves 77°F(25°C)



Relationship Between Charge Voltage and Temperature

