

EMERGENCY LIGHT SYSTEM



FIRE & SECURITY SYSTEM



CAR & OTHER STARTING APPLICATIONS



ELECTRO-MEDICAL DEVICES



UPS



RAILWAY SIGNAL



COMMUNICATIONS POWER SUPPLY



DC POWER SUPPLY

BCN(G)-2V2000



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)-2V2000AH
Sealed Lead Acid Maintenance Free

Specifications

Nominal Voltage	2V	
Rated Capacity (10 hour rate)	2000Ah	
Dimensions	Total Height (with terminals)	15.08 inches(383mm)
	Height	13.05 inches(343mm)
	Length	19.33 inches(491mm)
	Width	13.82 inches(351mm)
	Weight	Approx.264 Pound(120.0kg)

Characteristics

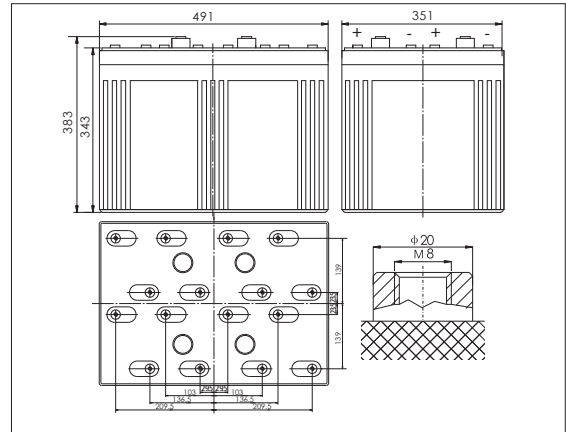
Capacity 77°F(25°C)	10 hour rate (200A)	2000 Ah
	5 hour rate (340A)	1700 Ah
	1hour rate (1100A)	1100 Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	0.18mΩ
	104°F(40°C)	102%
Capacity Affected by Temperature (20hour rate)	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 77°F(25°C)	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)	11000A(5S)	
Terminal	T3	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 400A
		Voltage 2.35 V / 77 °F (25 °C)
		Equalization temperature compensation coefficient: -4MV / °C
	Float	Compensation coefficient of floating charging temperature: -3MV / °C

Constant Current Discharge (Amperes @25°C)

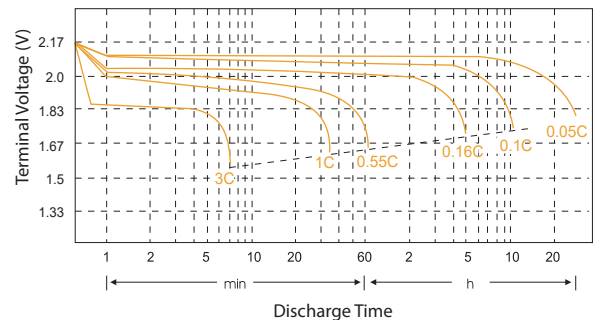
F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	3700	3000	2160	1166	518	378	249	216	114
1.65	3560	2900	2080	1122	516	376	247	214	113
1.70	3360	2760	1886	1114	514	372	243	210	111
1.75	2960	2600	1664	1100	510	354	240	208	110
1.80	2820	2500	1600	1062	500	340	231	200	110
1.85	2320	2180	1472	978	490	328	222	192	102

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

F.V/Time	10Min	15Min	30Min	1Hour	3Hour	5Hour	8Hour	10Hour	20Hour
1.60	6290	5100	3672	2215	1010	718	474	410	217
1.65	6052	4930	3536	2132	1006	714	470	407	215
1.70	5712	4830	3395	2117	1002	707	461	399	211
1.75	5032	4680	3162	2090	995	673	456	395	209
1.80	4879	4500	3040	2018	975	646	439	380	209
1.85	4408	4142	2797	1858	956	623	422	365	194



Discharge Curves 77°F(25°C)



Relationship Between Charge Voltage and Temperature

